

FIG. 1

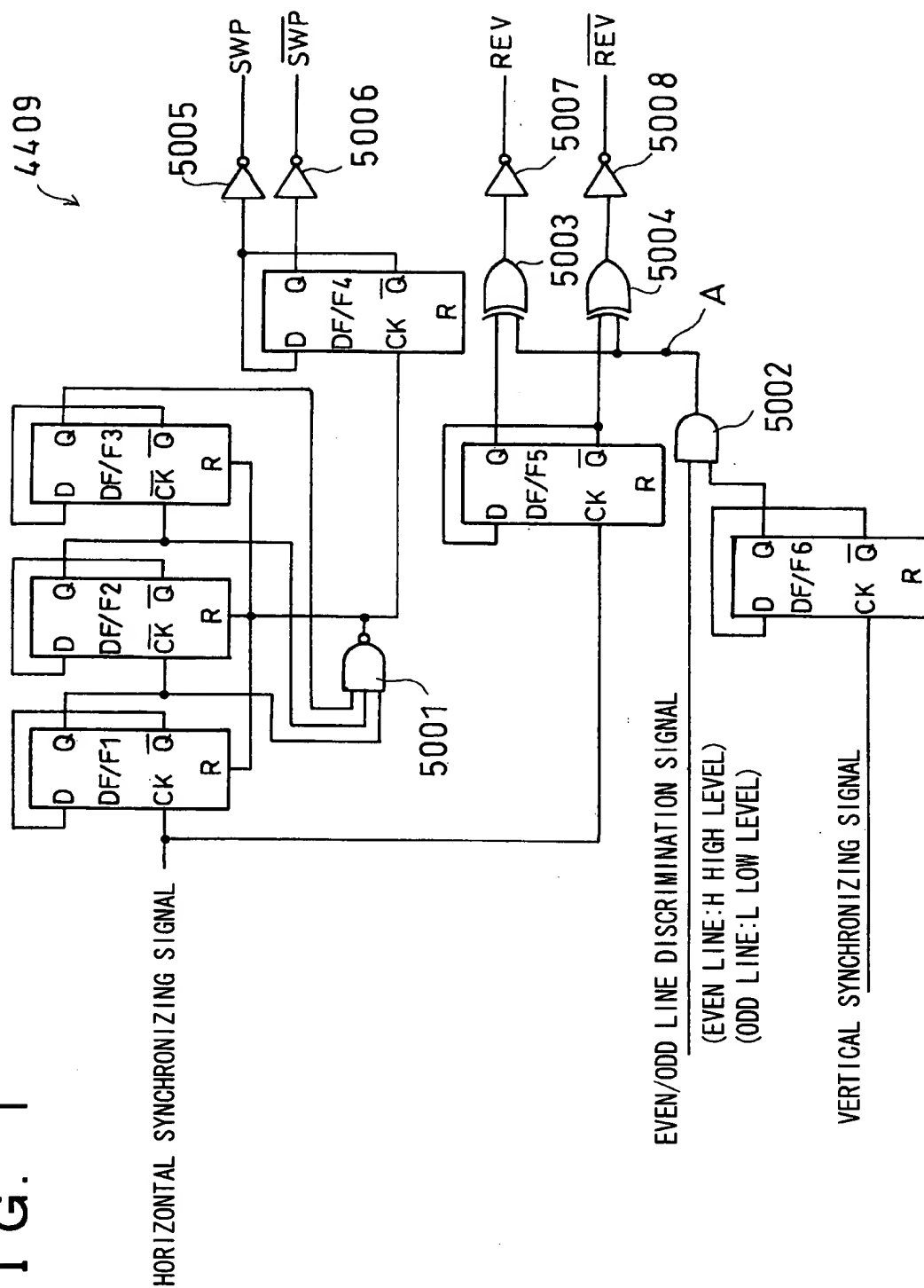


FIG. 2

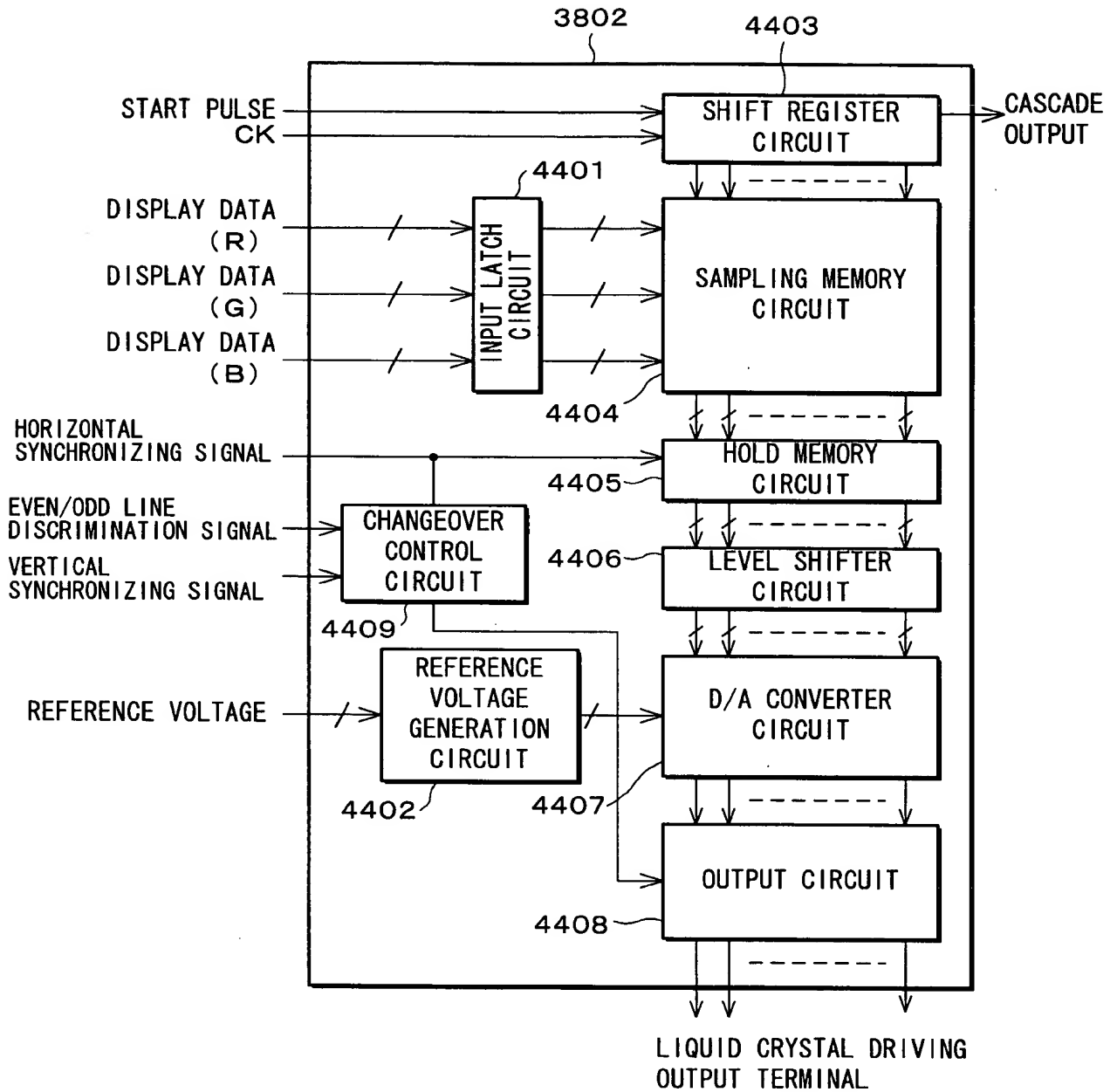


FIG. 3

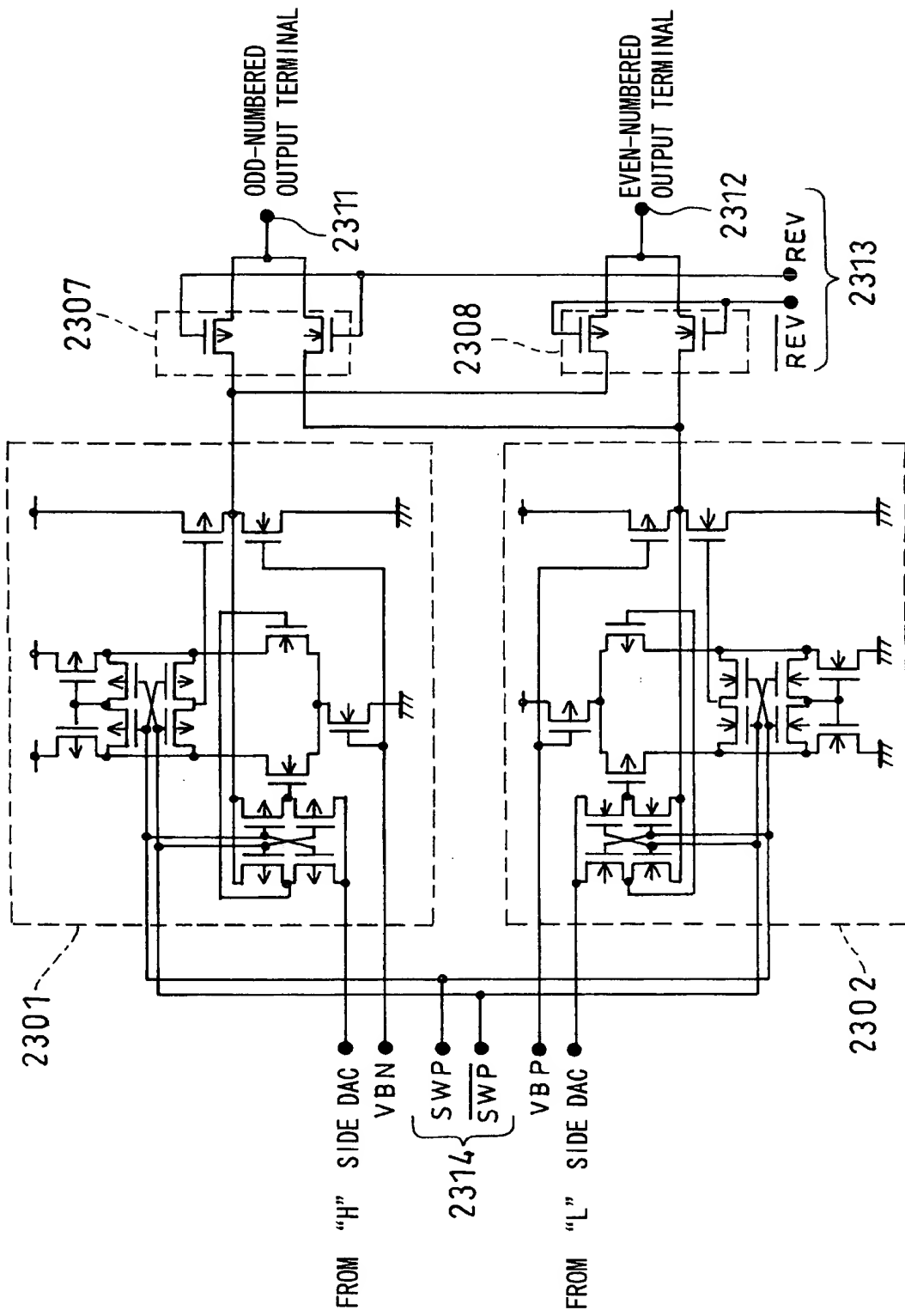
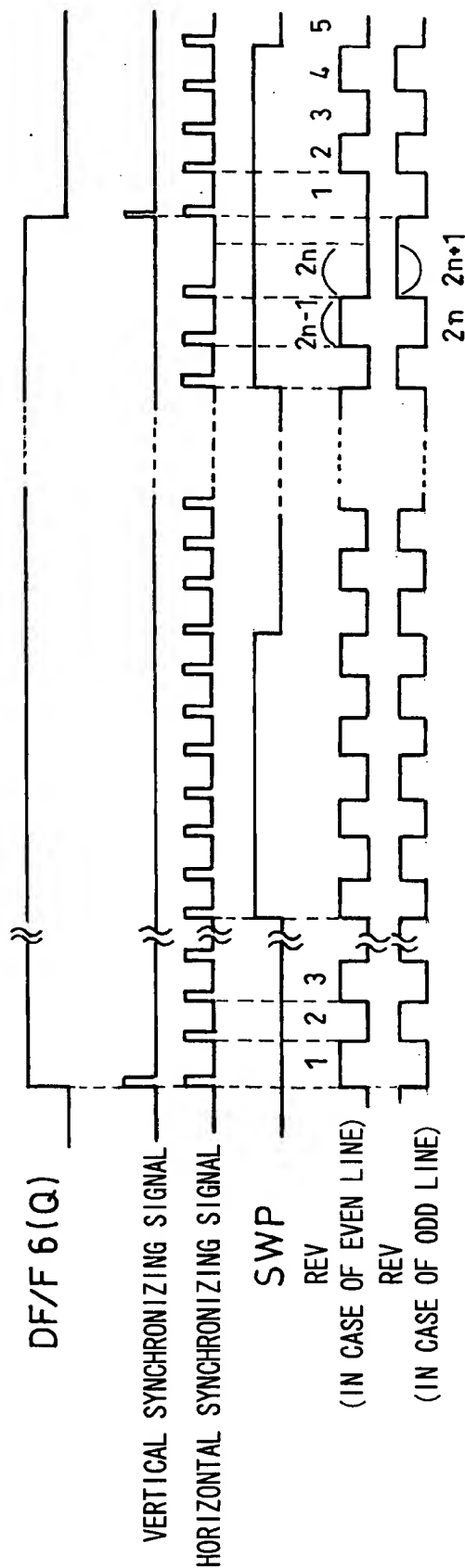


FIG. 4



[illegible]

⑧ FRAME

	①	②	③	④	⑤	⑥	⑦	⑧	REV	SWP
①	+B	+A	+B	+A	+B	+A	+B	+A	H	L
②	+A	+B	+A	+B	+A	+B	+A	+B	L	L
③	+B	+A	+B	+A	+B	+A	+B	+A	H	L
④	+A	+B	+A	+B	+A	+B	+A	+B	L	L
⑤	+B	+A	+B	+A	+B	+A	+B	+A	H	L
⑥	+A	+B	+A	+B	+A	+B	+A	+B	L	L
⑦	+B	+A	+B	+A	+B	+A	+B	+A	H	L
⑧	-A	-B	-A	-B	-A	-B	-A	-B	L	H

⑨ FRAME

	①	②	③	④	⑤	⑥	⑦	⑧	REV	SWP
①	-A	-B	-A	-B	-A	-B	-A	-B	L	H
②	-B	-A	-B	-A	-B	-A	-B	-A	H	H
③	-A	-B	-A	-B	-A	-B	-A	-B	L	H
④	-B	-A	-B	-A	-B	-A	-B	-A	H	H
⑤	-A	-B	-A	-B	-A	-B	-A	-B	L	H
⑥	-B	-A	-B	-A	-B	-A	-B	-A	H	H
⑦	+A	+B	+A	+B	+A	+B	+A	+B	L	L
⑧	+B	+A	+B	+A	+B	+A	+B	+A	H	L

⑩	FRAME								REV	SWP
	①	②	③	④	⑤	⑥	⑦	⑧		
①	+B	+A	+B	+A	+B	+A	+B	+A	H	L
②	+A	+B	+A	+B	+A	+B	+A	+B	L	L
③	+B	+A	+B	+A	+B	+A	+B	+A	H	L
④	+A	+B	+A	+B	+A	+B	+A	+B	L	L
⑤	+B	+A	+B	+A	+B	+A	+B	+A	H	L
⑥	-A	-B	-A	-B	-A	-B	-A	-B	L	H
⑦	-B	-A	-B	-A	-B	-A	-B	-A	H	H
⑧	-A	-B	-A	-B	-A	-B	-A	-B	L	H

⑪ FRAME									REV	SWP
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		
①	-A	-B	-A	-B	-A	-B	-A	-B	L	H
②	-B	-A	-B	-A	-B	-A	-B	-A	H	L
③	-A	-B	-A	-B	-A	-B	-A	-B	L	H
④	-B	-A	-B	-A	-B	-A	-B	-A	H	L
⑤	+A	+B	+A	+B	+A	+B	+A	+B	L	L
⑥	+B	+A	+B	+A	+B	+A	+B	+A	L	L
⑦	+A	+B	+A	+B	+A	+B	+A	+B	L	L
⑧	+B	+A	+B	+A	+B	+A	+B	+A	H	L

⑫	FRAME								REV	SWP
	①	②	③	④	⑤	⑥	⑦	⑧		
①	+B	+A	+B	+A	+B	+A	+B	+A	H	L
②	+A	+B	+A	+B	+A	+B	+A	+B	L	H
③	+B	+A	+B	+A	+B	+A	+B	+A	L	L
④	-A	-B	-A	-B	-A	-B	-A	-B	H	H
⑤	-B	-A	-B	-A	-B	-A	-B	-A	L	H
⑥	-A	-B	-A	-B	-A	-B	-A	-B	L	H
⑦	-B	-A	-B	-A	-B	-A	-B	-A	H	L
⑧	-A	-B	-A	-B	-A	-B	-A	-B	L	H

⑬	FRAME								REV	SWP
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		
①	-A	-B	-A	-B	-A	-B	-A	-B	L	H
②	-B	-A	-B	-A	-B	-A	-B	-A	L	H
③	+A	+B	+A	+B	+A	+B	+A	+B	L	L
④	+B	+A	+B	+A	+B	+A	+B	+A	L	L
⑤	+A	+B	+A	+B	+A	+B	+A	+B	L	L
⑥	+B	+A	+B	+A	+B	+A	+B	+A	L	L
⑦	+A	+B	+A	+B	+A	+B	+A	+B	L	L
⑧	+B	+A	+B	+A	+B	+A	+B	+A	L	L

⑭ FRAME

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	REV	SWP
①	+B	+A	+B	+A	+B	+A	+B	+A	H	L
②	-A	-B	-A	-B	-A	-B	-A	-B	L	H
③	-B	-A	-B	-A	-B	-A	-B	-A	L	H
④	-A	-B	-A	-B	-A	-B	-A	-B	L	H
⑤	-B	-A	-B	-A	-B	-A	-B	-A	L	H
⑥	-A	-B	-A	-B	-A	-B	-A	-B	L	H
⑦	-B	-A	-B	-A	-B	-A	-B	-A	L	H
⑧	-A	-B	-A	-B	-A	-B	-A	-B	L	H

```
+: POSITIVE OFFSET
-: NEGATIVE OFFSET
```

F I G. 6

VOLTAGE APPLIED TO PIXEL①—①

FRAME	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭
	+A	-B	+A	-B	+A	-B	+A	+B	-A	+B	-A	+B	-A	+B

7 FRAME

7 FRAME

FIG. 6 OF 30

FIG. 7

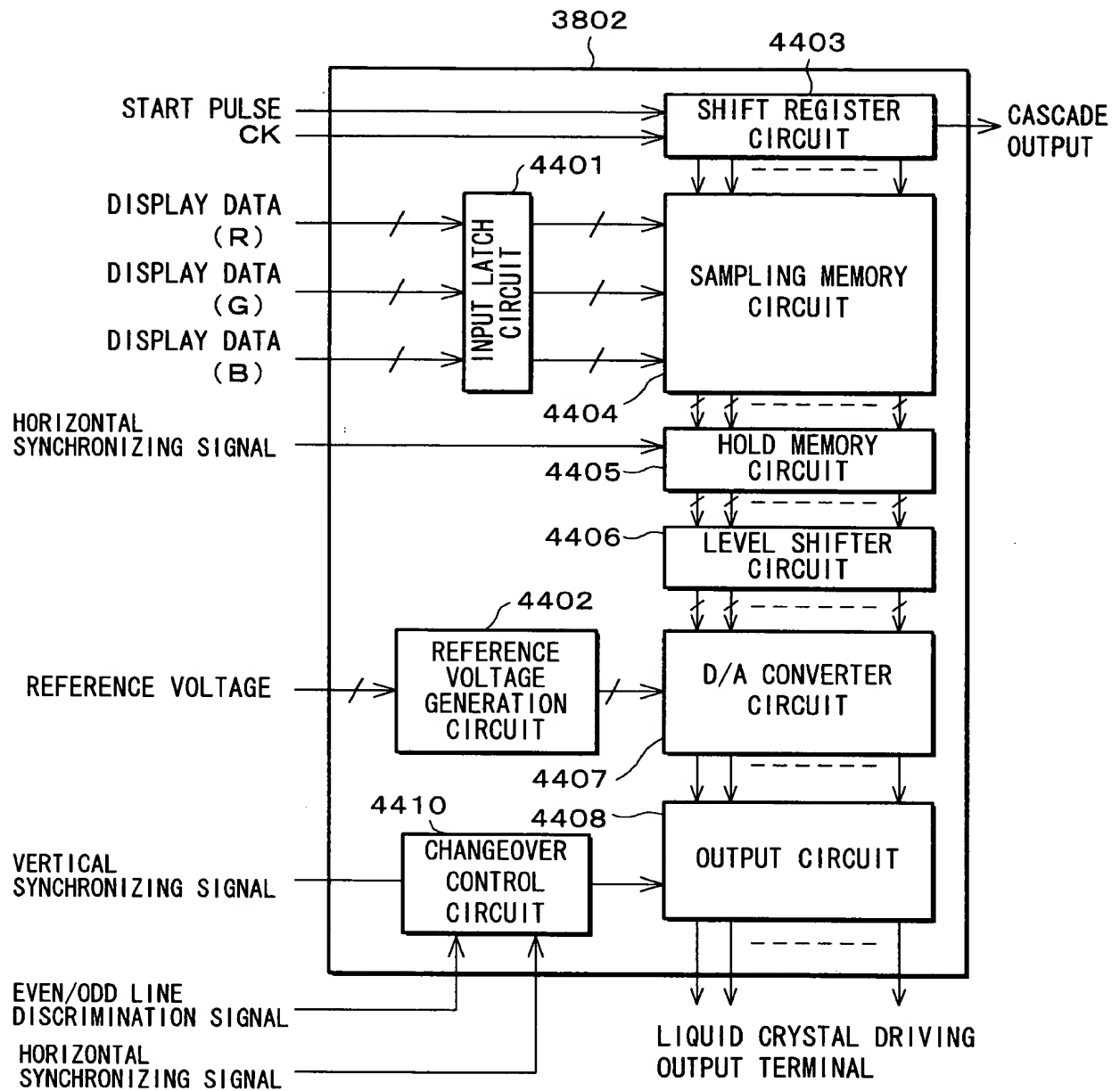


FIG. 8

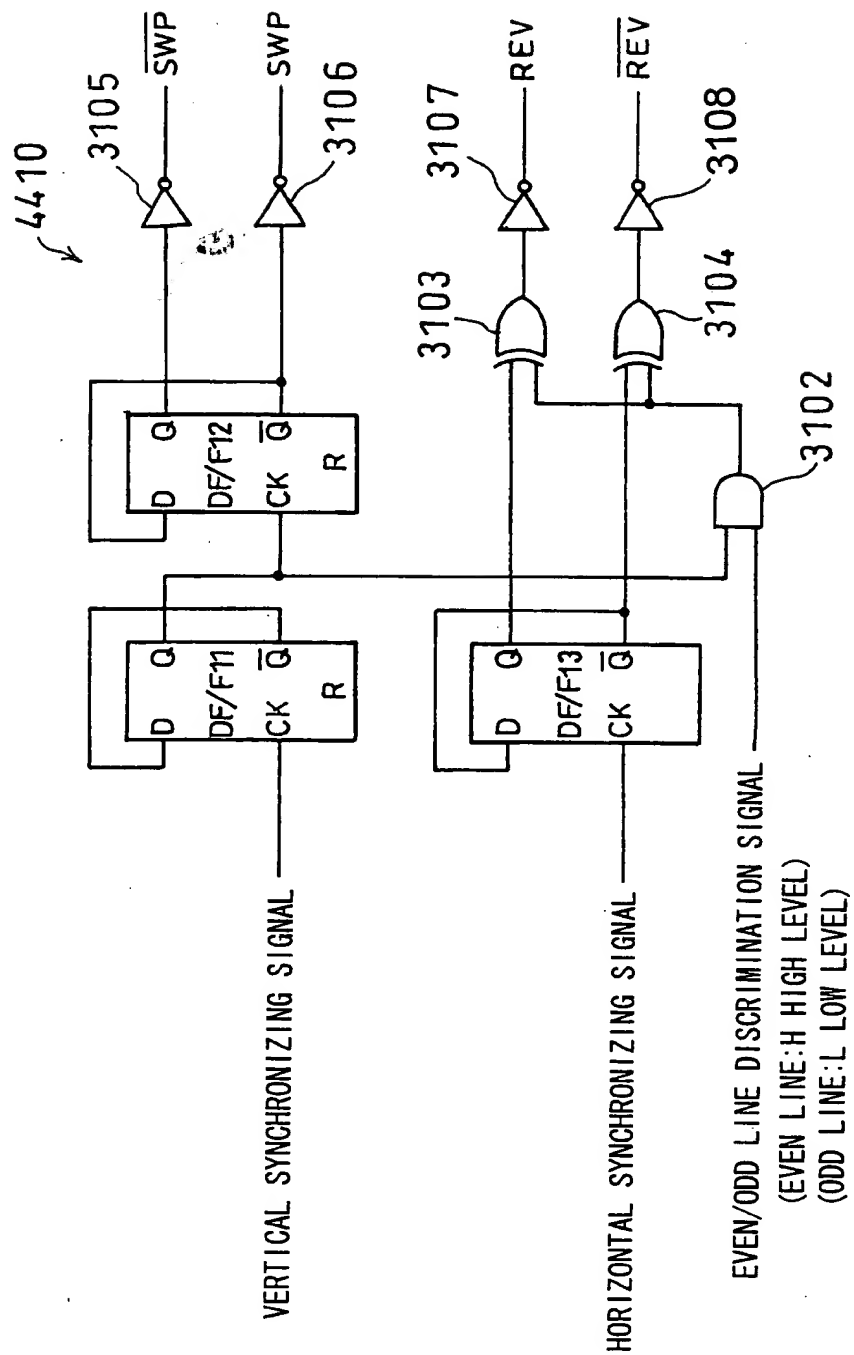


FIG. 9

1 FRAME

	①	②	③	④	⑤	⑥	⑦	⑧	REV	SWP
①	+A	+B	+A	+B	+A	+B	+A	+B	L	L
②	+B	+A	+B	+A	+B	+A	+B	+A	H	L
③	+A	+B	+A	+B	+A	+B	+A	+B	L	L
④	+B	+A	+B	+A	+B	+A	+B	+A	H	L
⑤	+A	+B	+A	+B	+A	+B	+A	+B	L	L
⑥	+B	+A	+B	+A	+B	+A	+B	+A	H	L
⑦	+A	+B	+A	+B	+A	+B	+A	+B	L	L
⑧	+B	+A	+B	+A	+B	+A	+B	+A	H	L

2 FRAME

	①	②	③	④	⑤	⑥	⑦	⑧	REV	SWP
①	+B	+A	+B	+A	+B	+A	+B	+A	H	L
②	+A	+B	+A	+B	+A	+B	+A	+B	L	L
③	+B	+A	+B	+A	+B	+A	+B	+A	H	L
④	+A	+B	+A	+B	+A	+B	+A	+B	L	L
⑤	+B	+A	+B	+A	+B	+A	+B	+A	H	L
⑥	+A	+B	+A	+B	+A	+B	+A	+B	L	L
⑦	+B	+A	+B	+A	+B	+A	+B	+A	H	L
⑧	+A	+B	+A	+B	+A	+B	+A	+B	L	L

3 FRAME

	①	②	③	④	⑤	⑥	⑦	⑧	REV	SWP
①	-A	-B	-A	-B	-A	-B	-A	-B	L	H
②	-B	-A	-B	-A	-B	-A	-B	-A	H	H
③	-A	-B	-A	-B	-A	-B	-A	-B	L	H
④	-B	-A	-B	-A	-B	-A	-B	-A	H	H
⑤	-A	-B	-A	-B	-A	-B	-A	-B	L	H
⑥	-B	-A	-B	-A	-B	-A	-B	-A	H	H
⑦	-A	-B	-A	-B	-A	-B	-A	-B	L	H
⑧	-B	-A	-B	-A	-B	-A	-B	-A	H	H

4 FRAME

	①	②	③	④	⑤	⑥	⑦	⑧	REV	SWP
①	-B	-A	-B	-A	-B	-A	-B	-A	H	H
②	-A	-B	-A	-B	-A	-B	-A	-B	L	H
③	-B	-A	-B	-A	-B	-A	-B	-A	H	H
④	-A	-B	-A	-B	-A	-B	-A	-B	L	H
⑤	-B	-A	-B	-A	-B	-A	-B	-A	H	H
⑥	-A	-B	-A	-B	-A	-B	-A	-B	L	H
⑦	-A	-B	-A	-B	-A	-B	-A	-B	H	H
⑧	-B	-A	-B	-A	-B	-A	-B	-A	L	H

FIG. 10

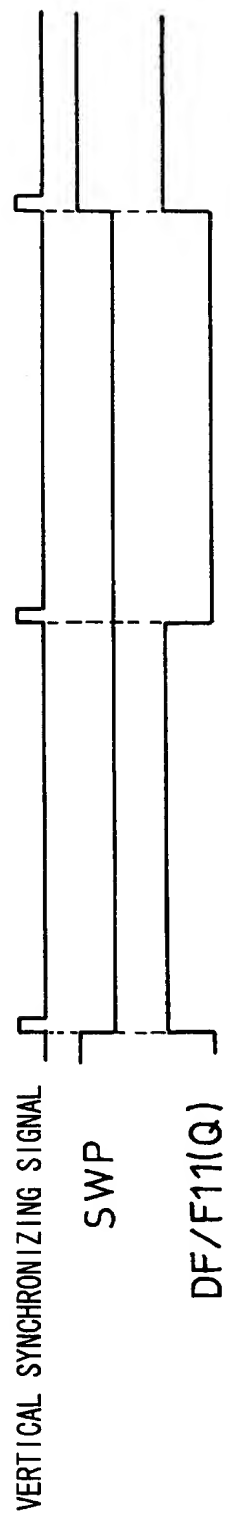


FIG. 11

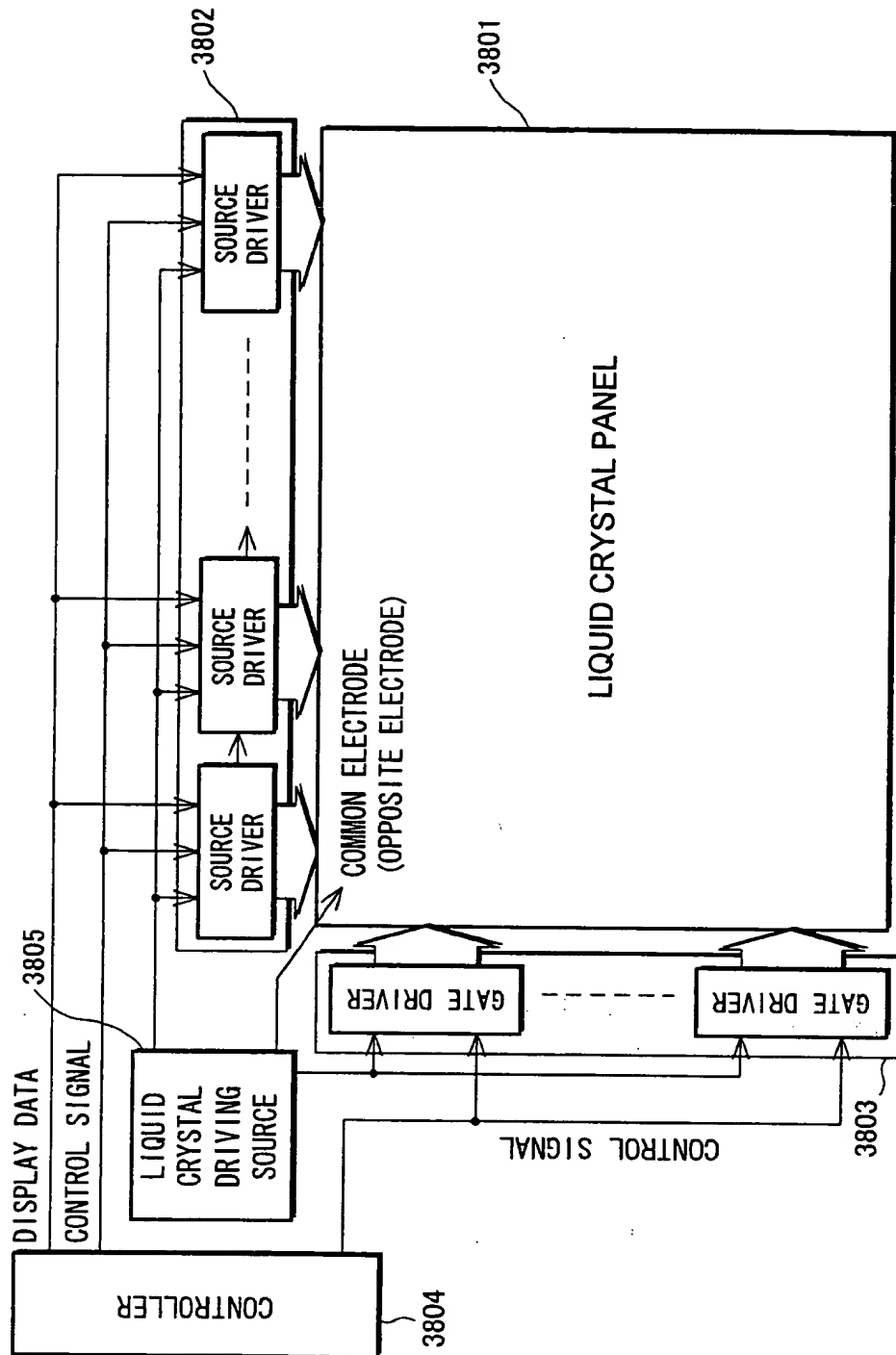


FIG. 12

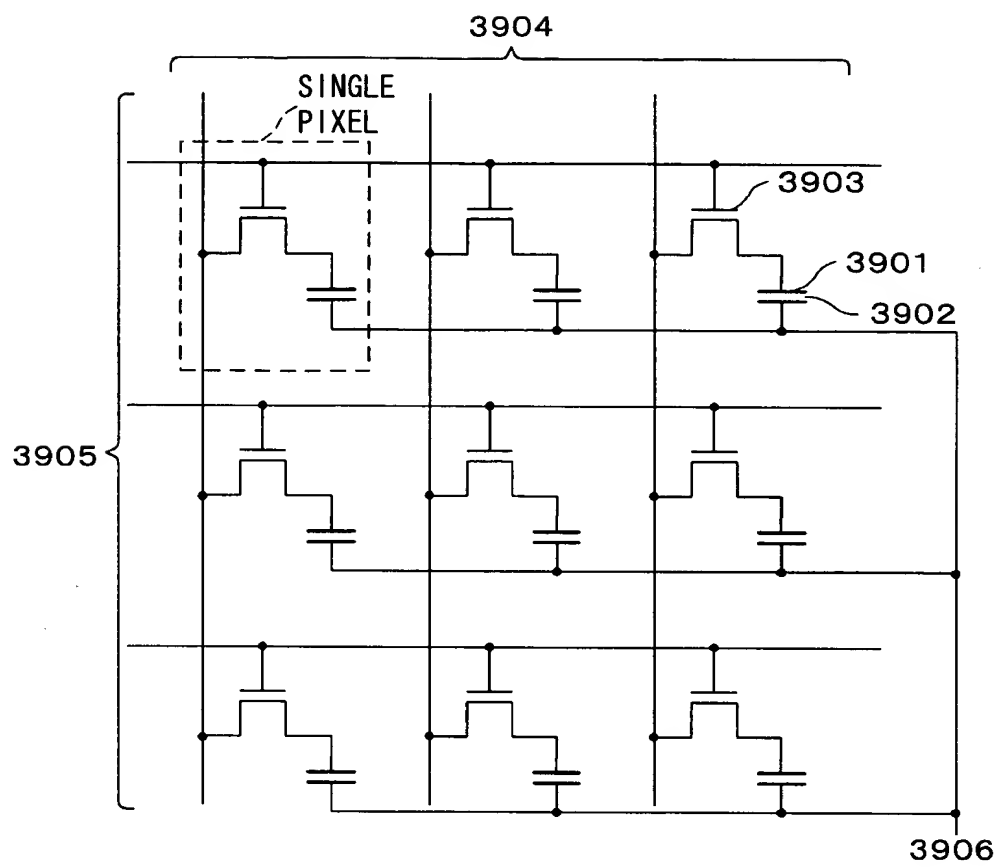


FIG. 12 OF 36

FIG. 13

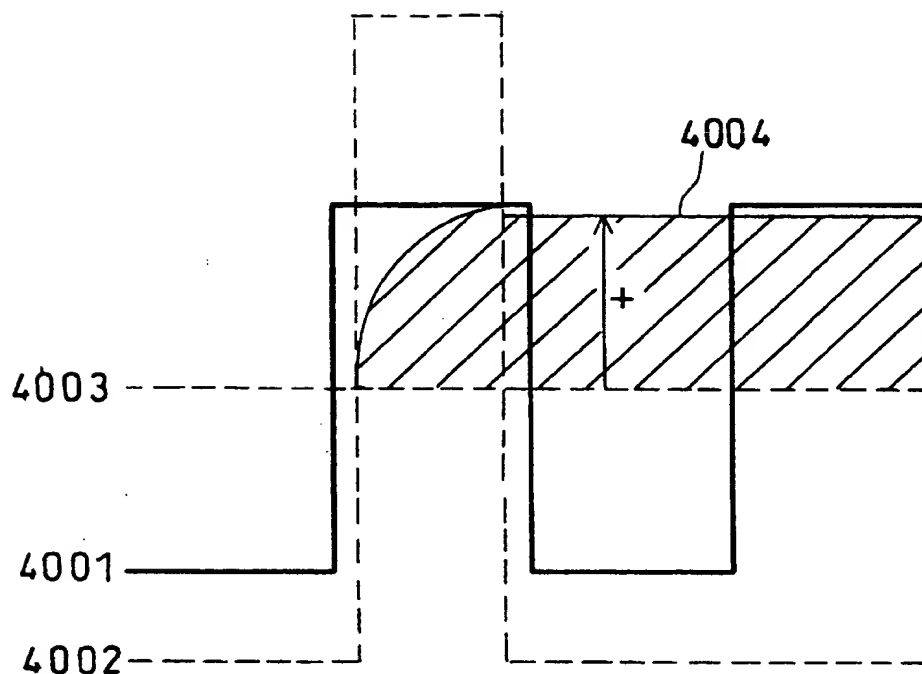


FIG. 14

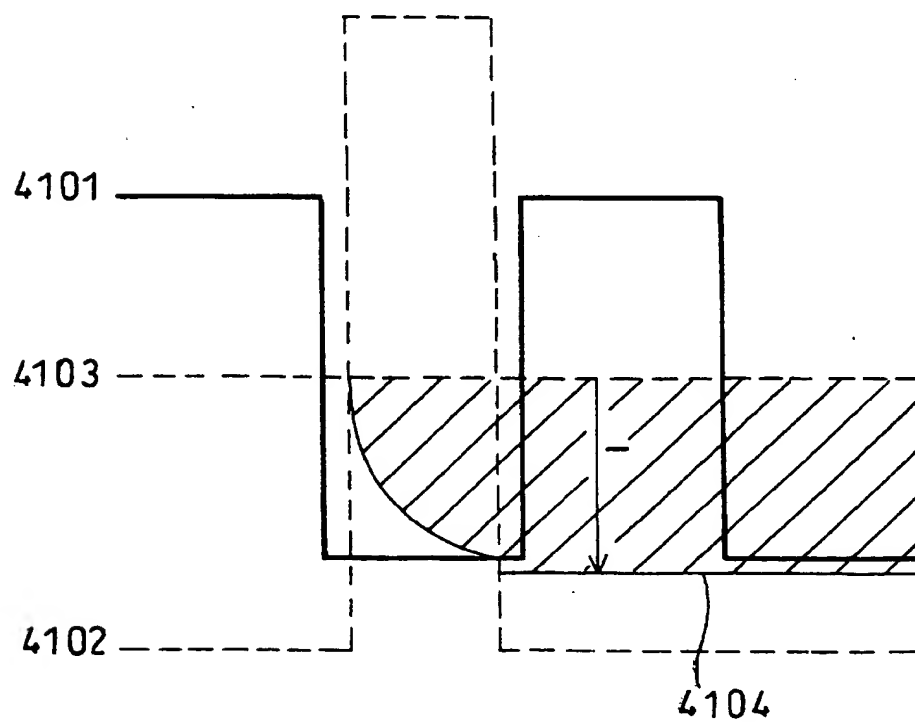


FIG. 13

FIG. 15

SOURCE DRIVER OUTPUT

+	-	+	-	+	-
-	+	-	+	-	+
+	-	+	-	+	-
-	+	-	+	-	+
+	-	+	-	+	-
-	+	-	+	-	+
+	-	+	-	+	-
-	+	-	+	-	+

R G B R G B

INVERT FOR EVERY FRAME

SOURCE DRIVER OUTPUT

-	+	-	+	-	+
+	-	+	-	+	-
-	+	-	+	-	+
+	-	+	-	+	-
-	+	-	+	-	+
+	-	+	-	+	-
-	+	-	+	-	+
+	-	+	-	+	-

R G B R G B

FIG. 16

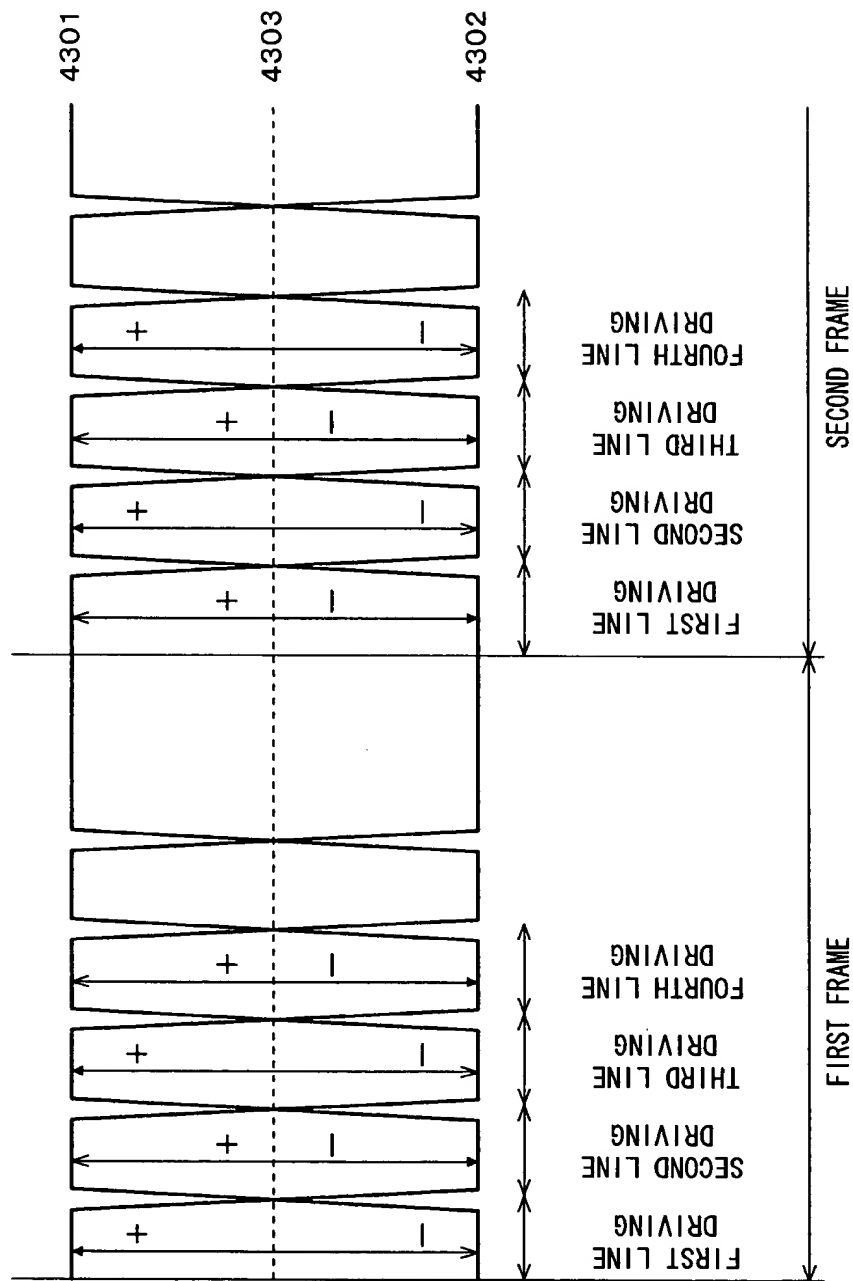


FIG. 17

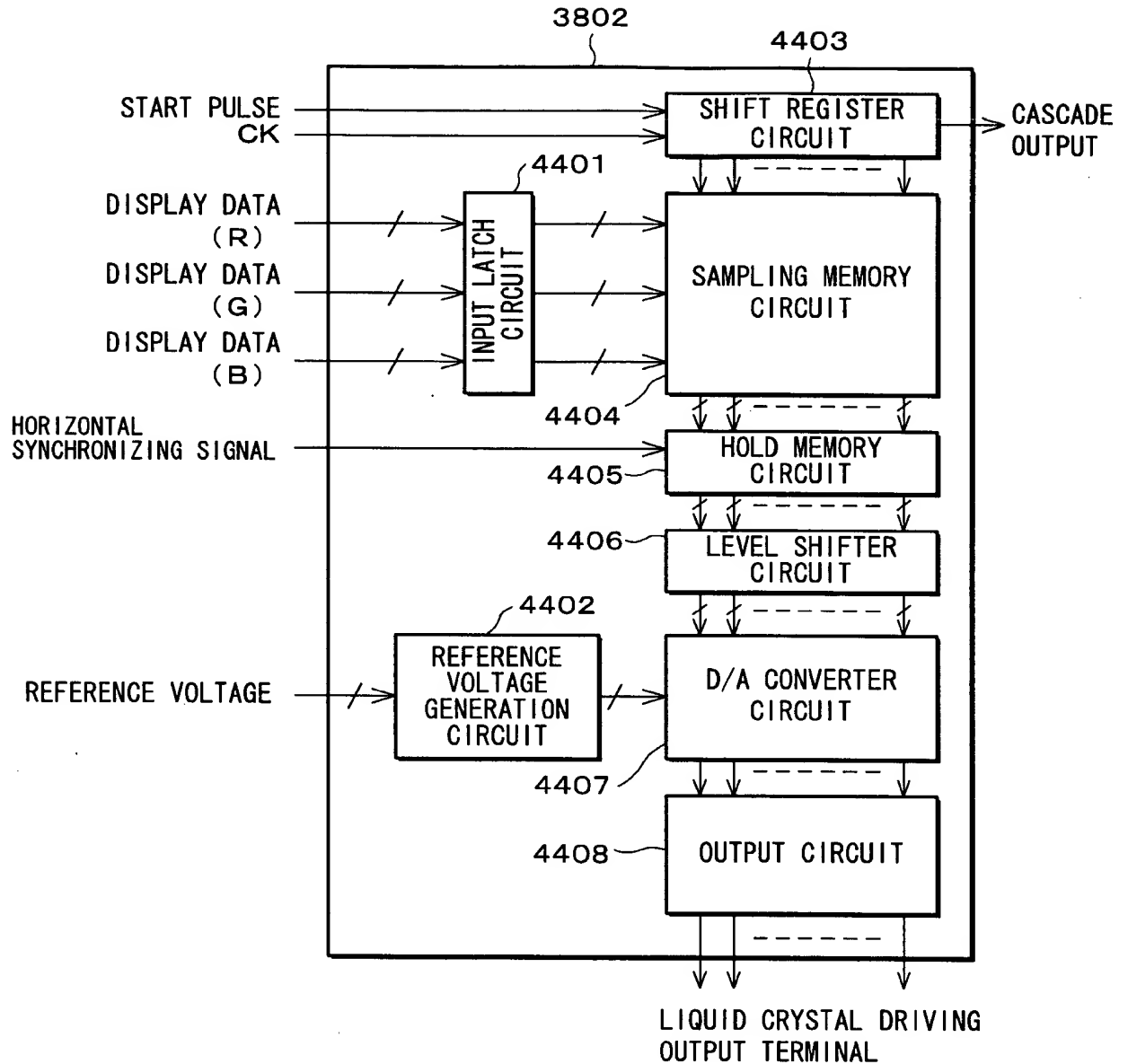


FIG. 18 (b)



FIG. 19 (a)

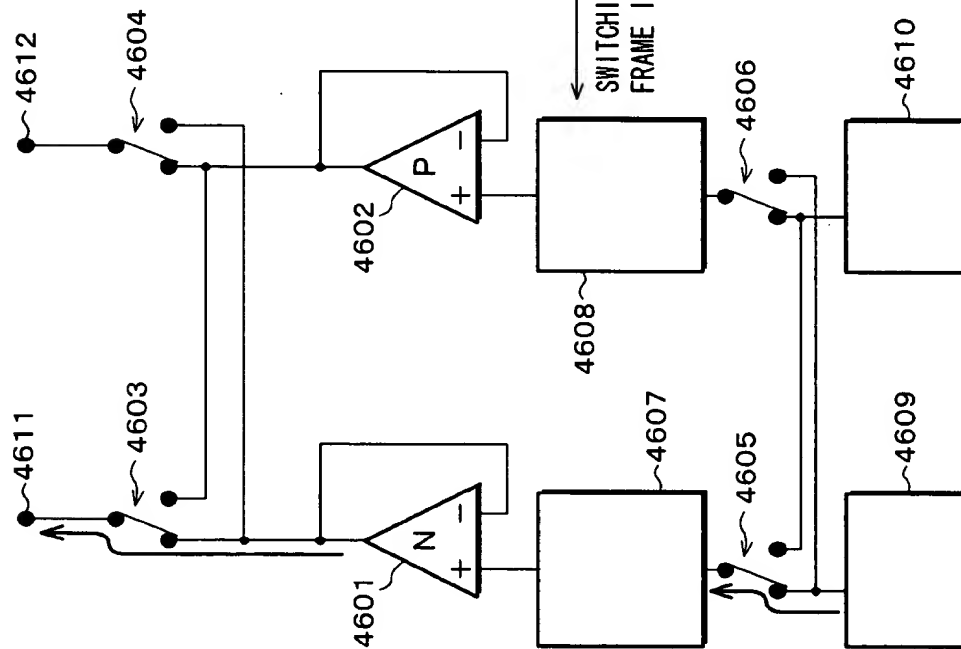


FIG. 19 (b)

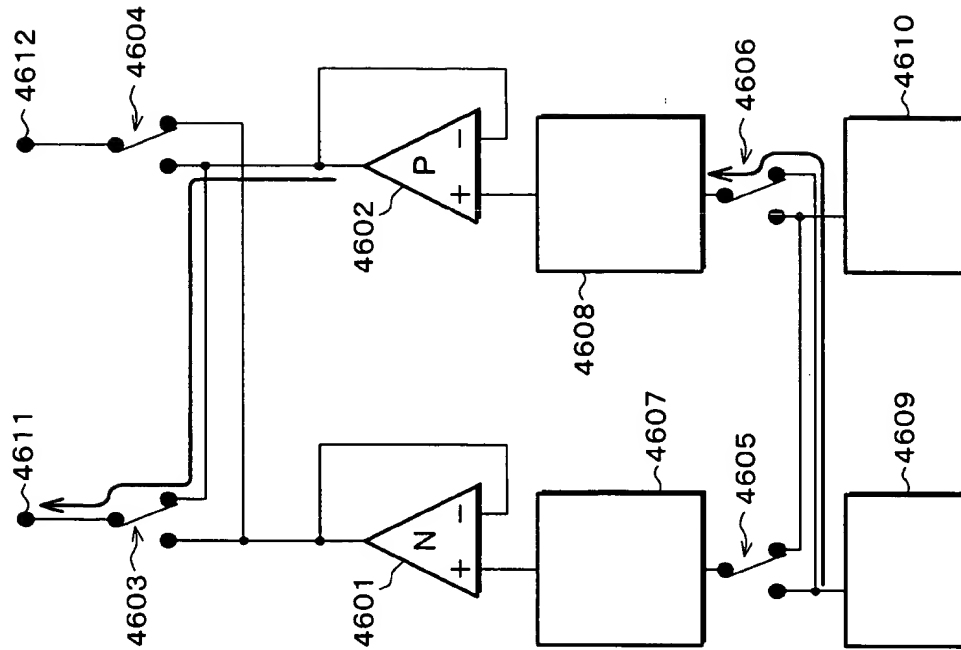
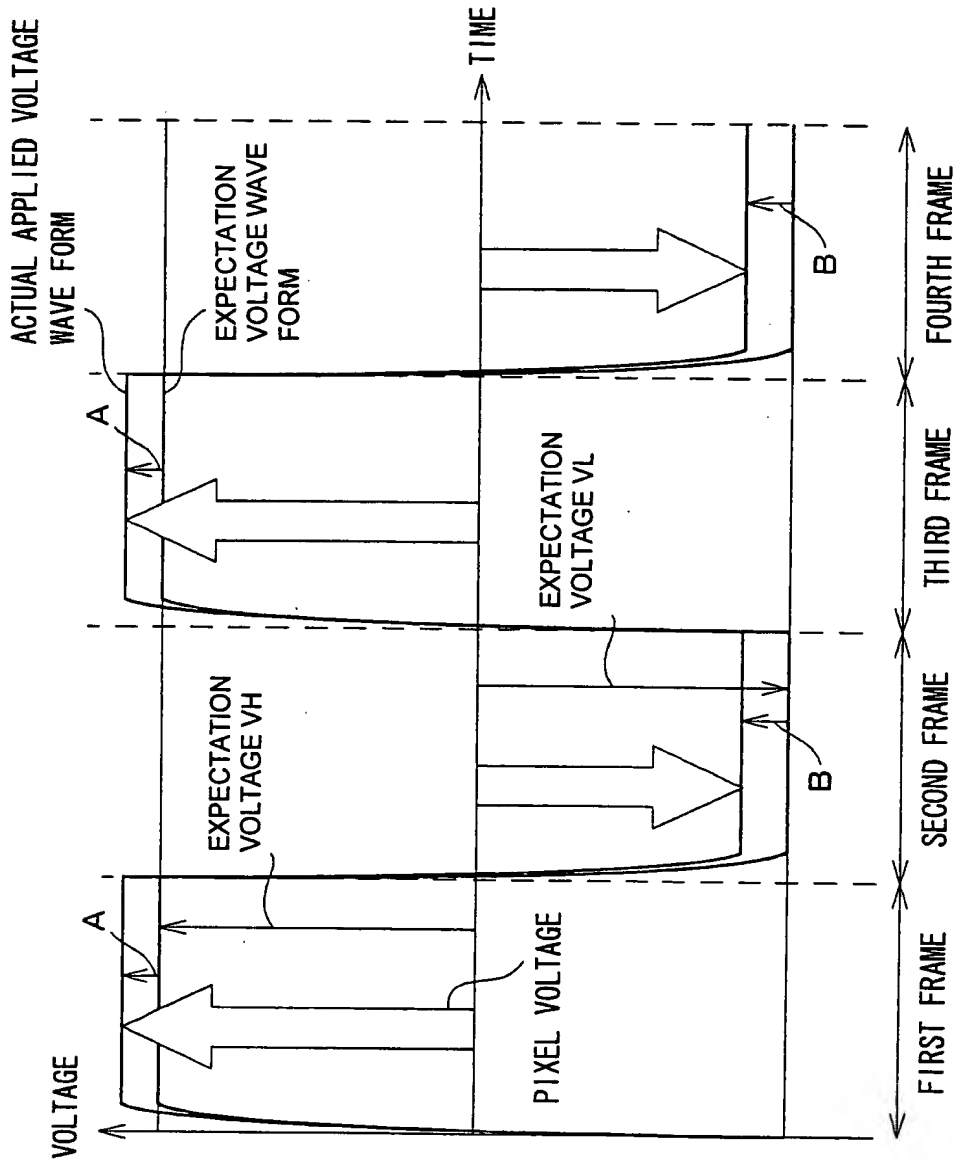


FIG. 20



$$\begin{aligned}
 \text{AVERAGE PIXEL VOLTAGES} &= [(VH+B) + (VL-B) + (VH+A) + (VL-B)] \div 4 \\
 &= \frac{VH+VL}{2} + \frac{A-B}{2}
 \end{aligned}$$

FIG. 21

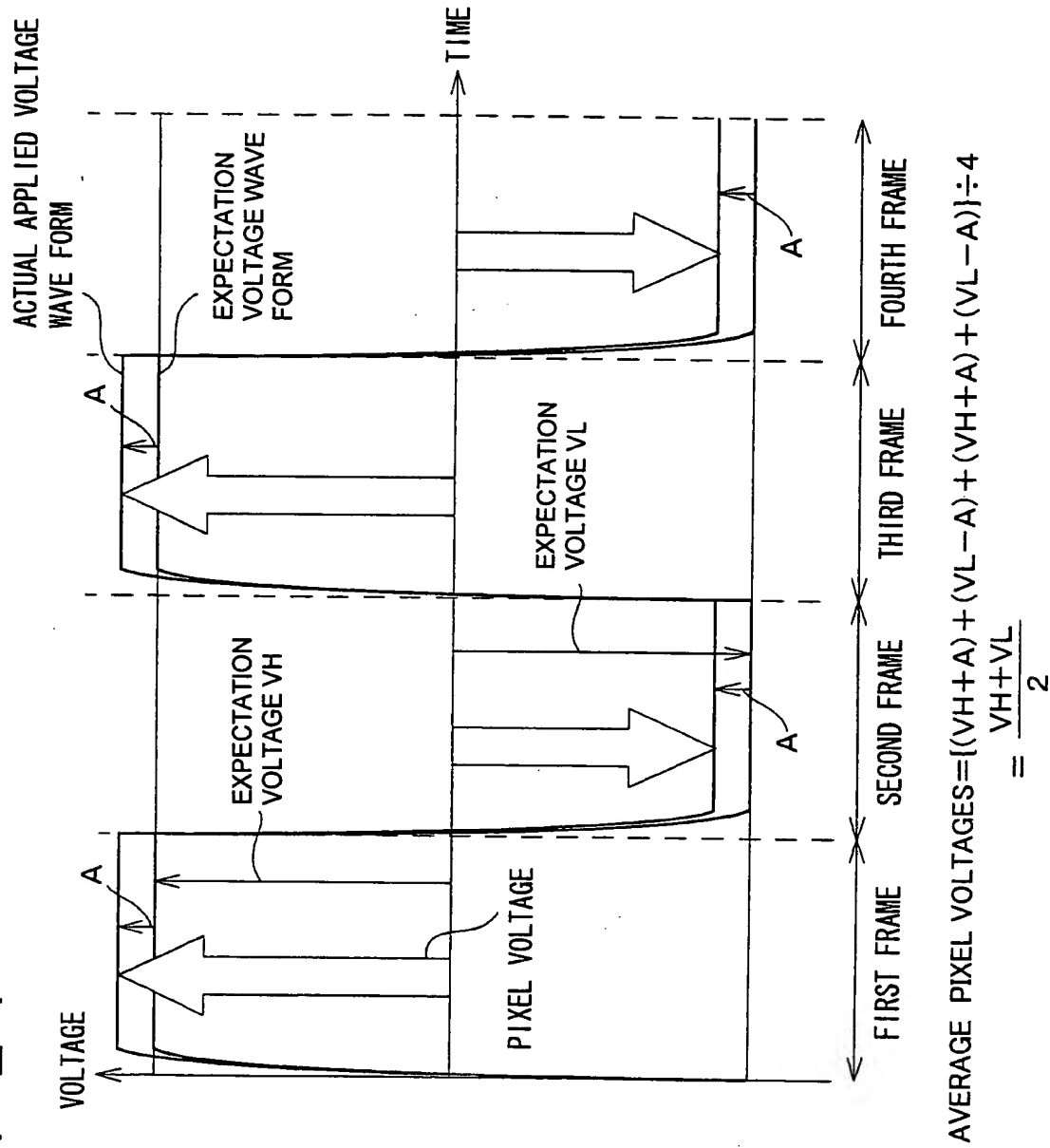
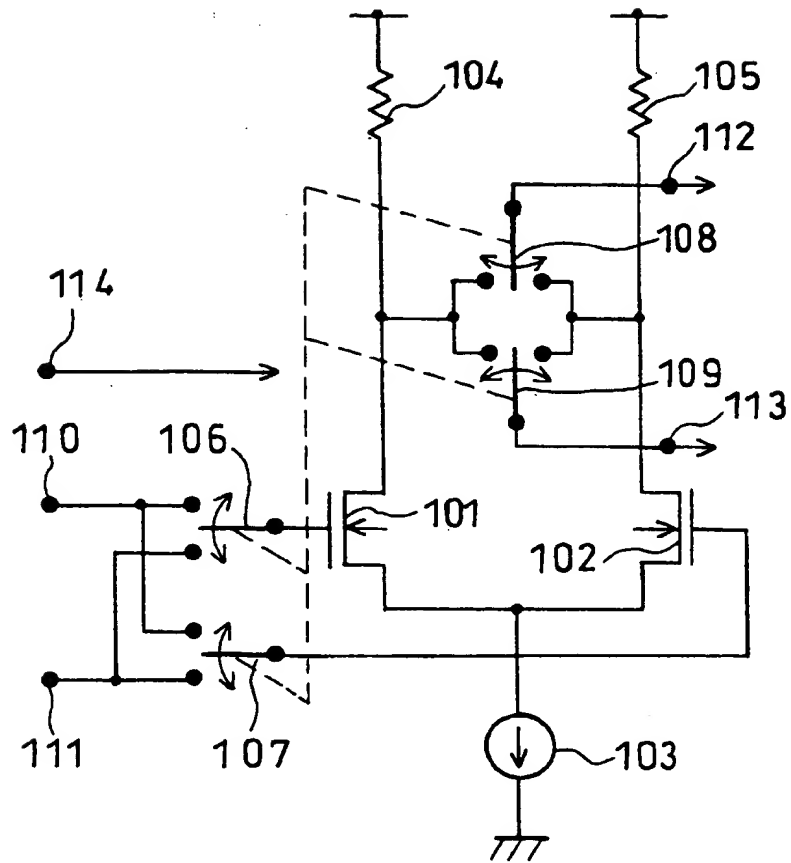


FIG. 22



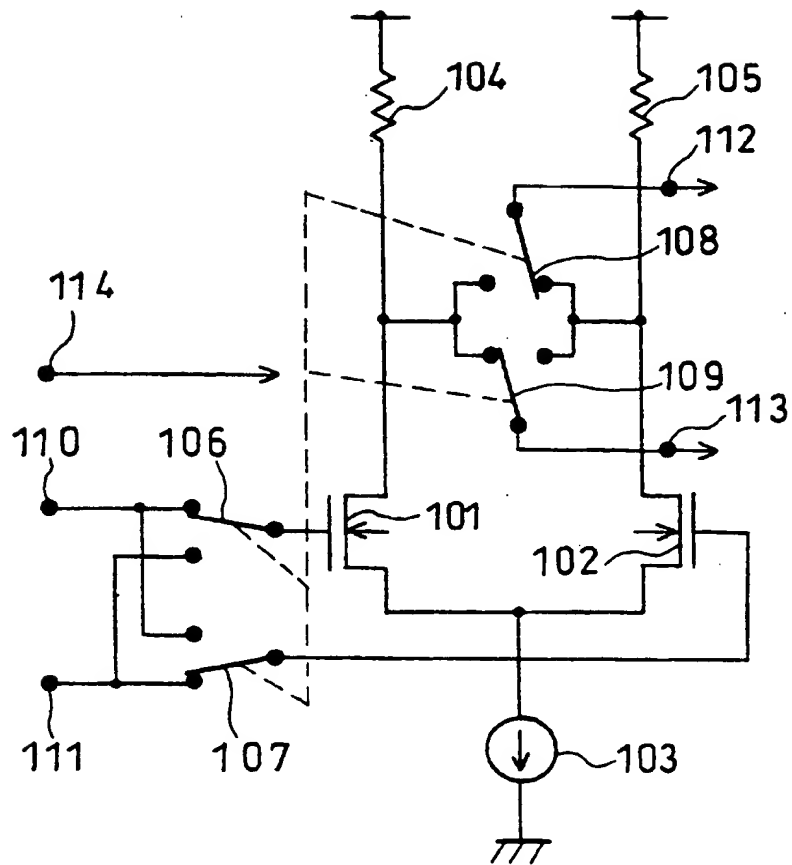
[illegible]

FIG. 24

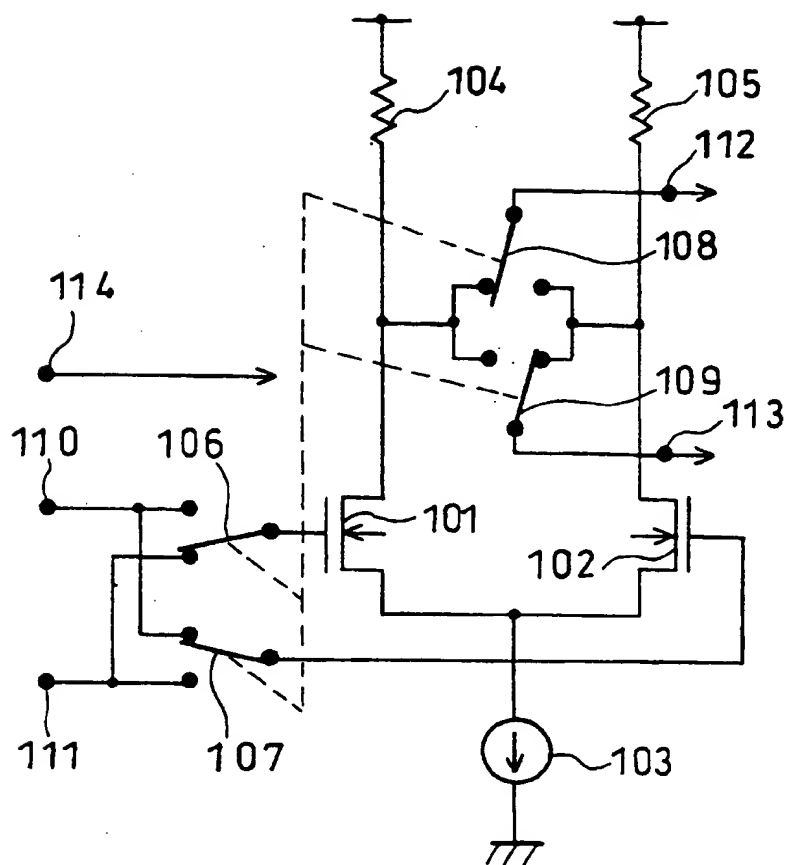


FIG. 25

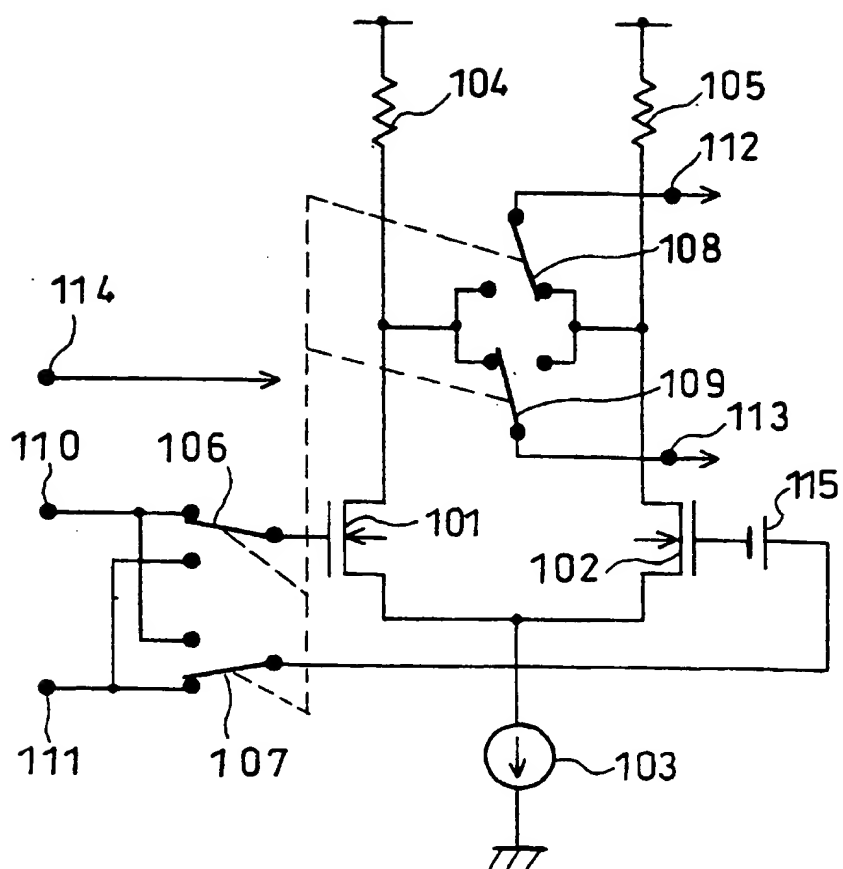


FIG. 26

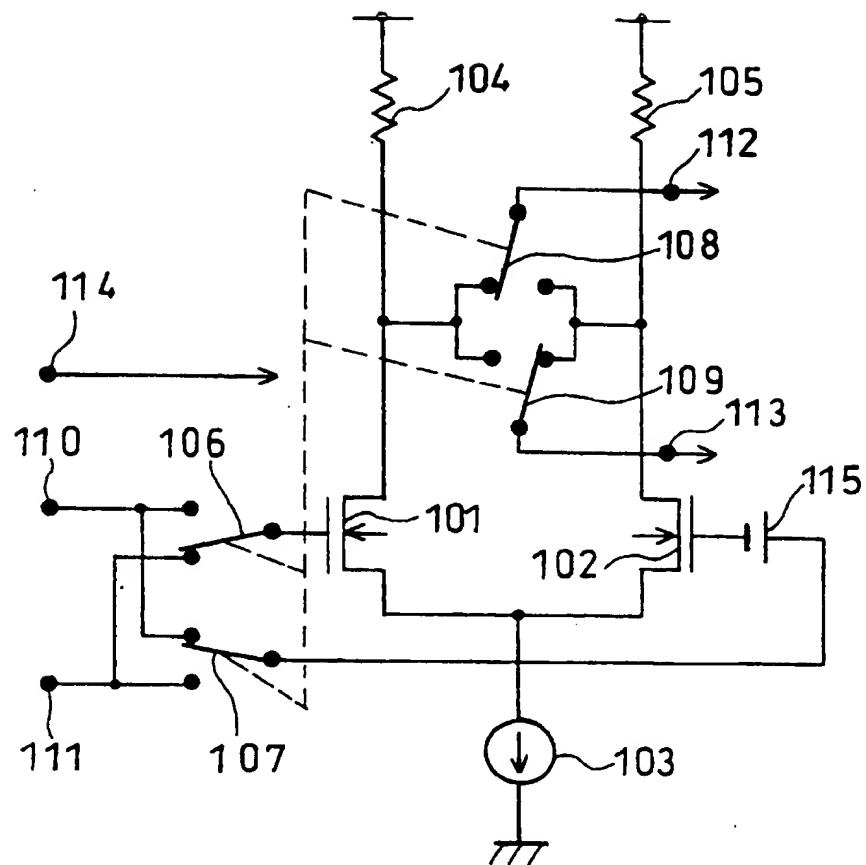


FIG. 27

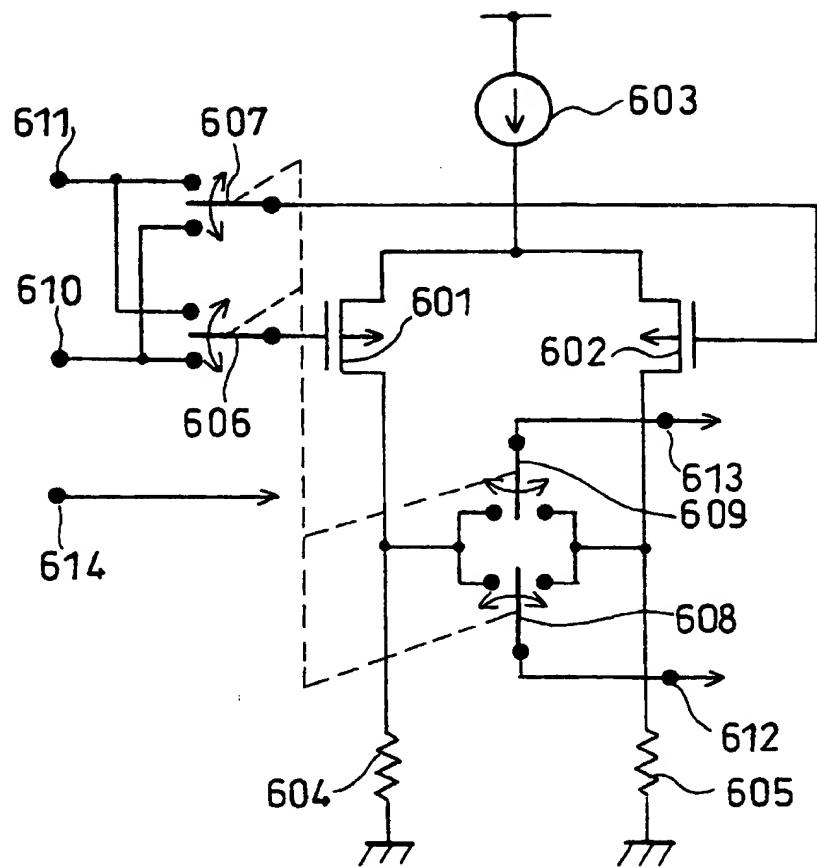


FIG. 28

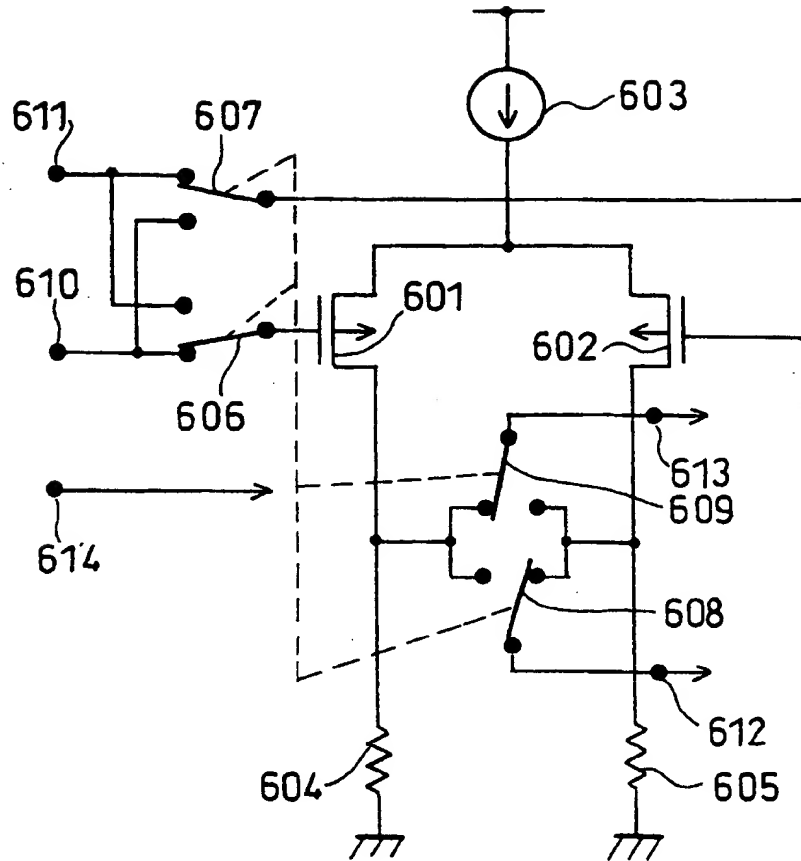


FIG. 29

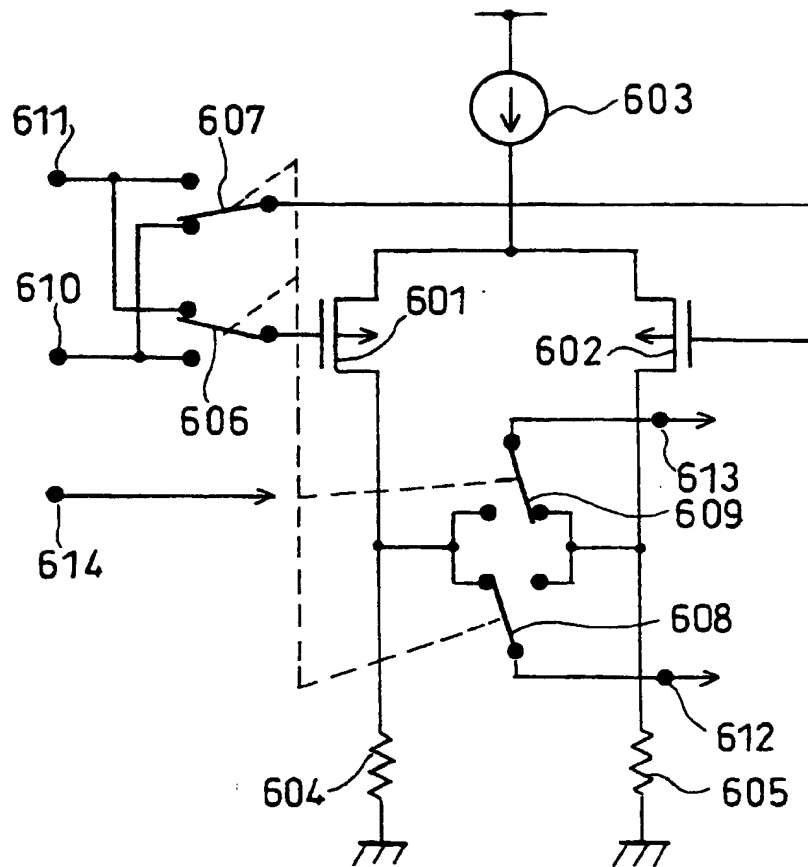


FIG. 30

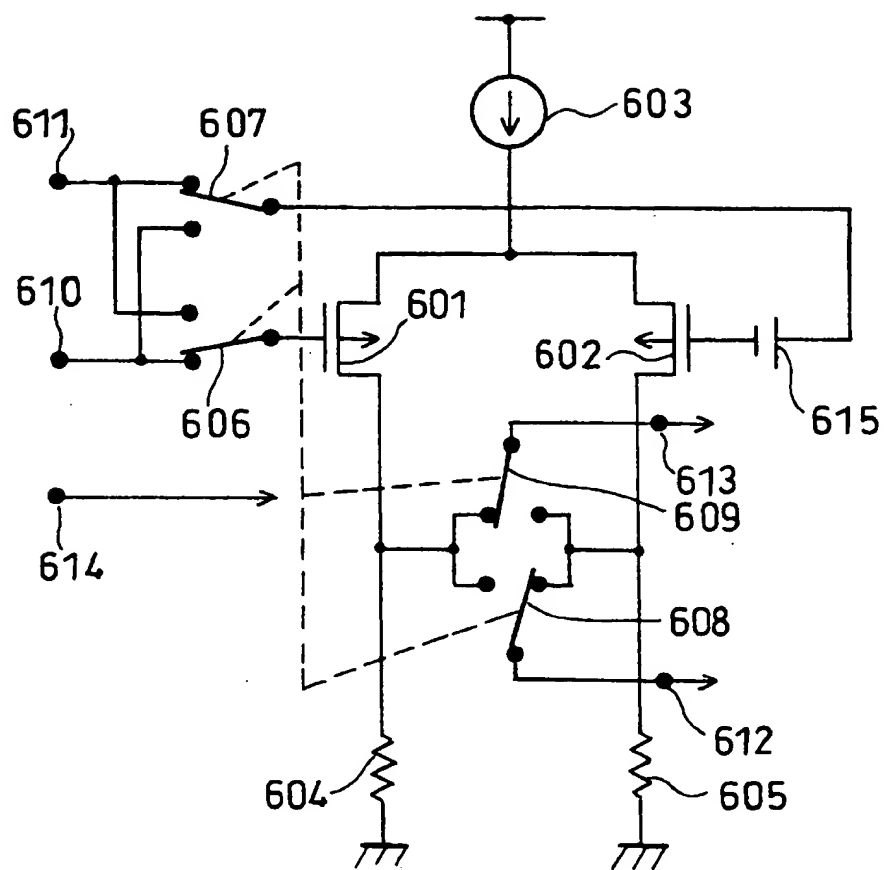


FIG. 31

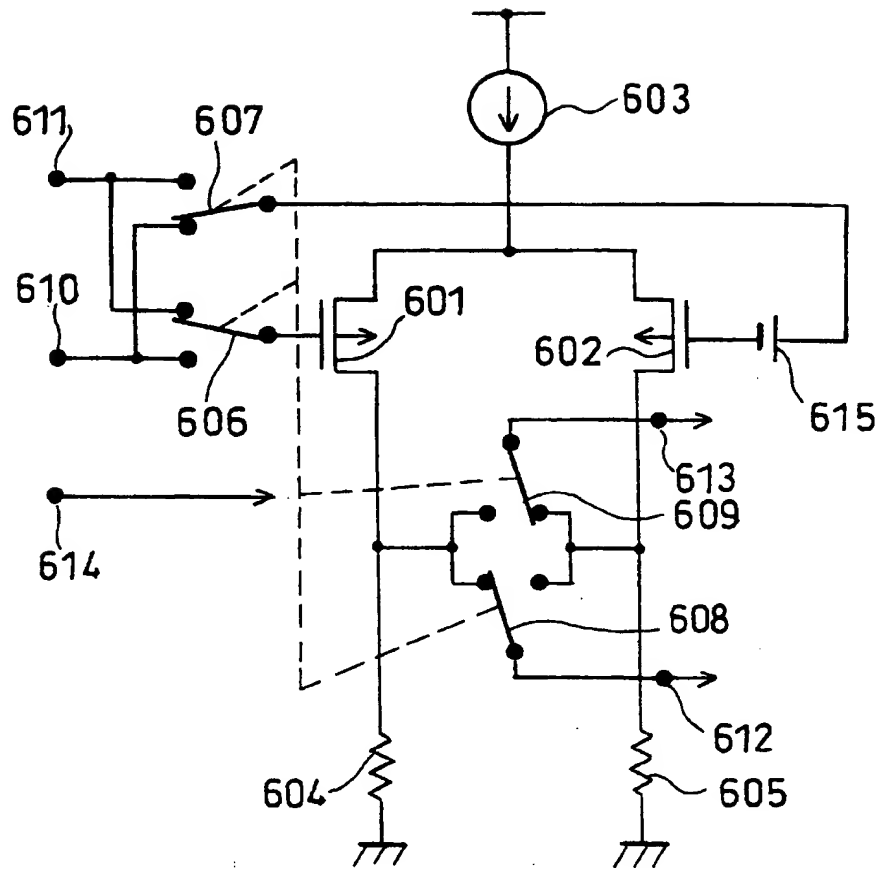


FIG. 31

FIG. 32

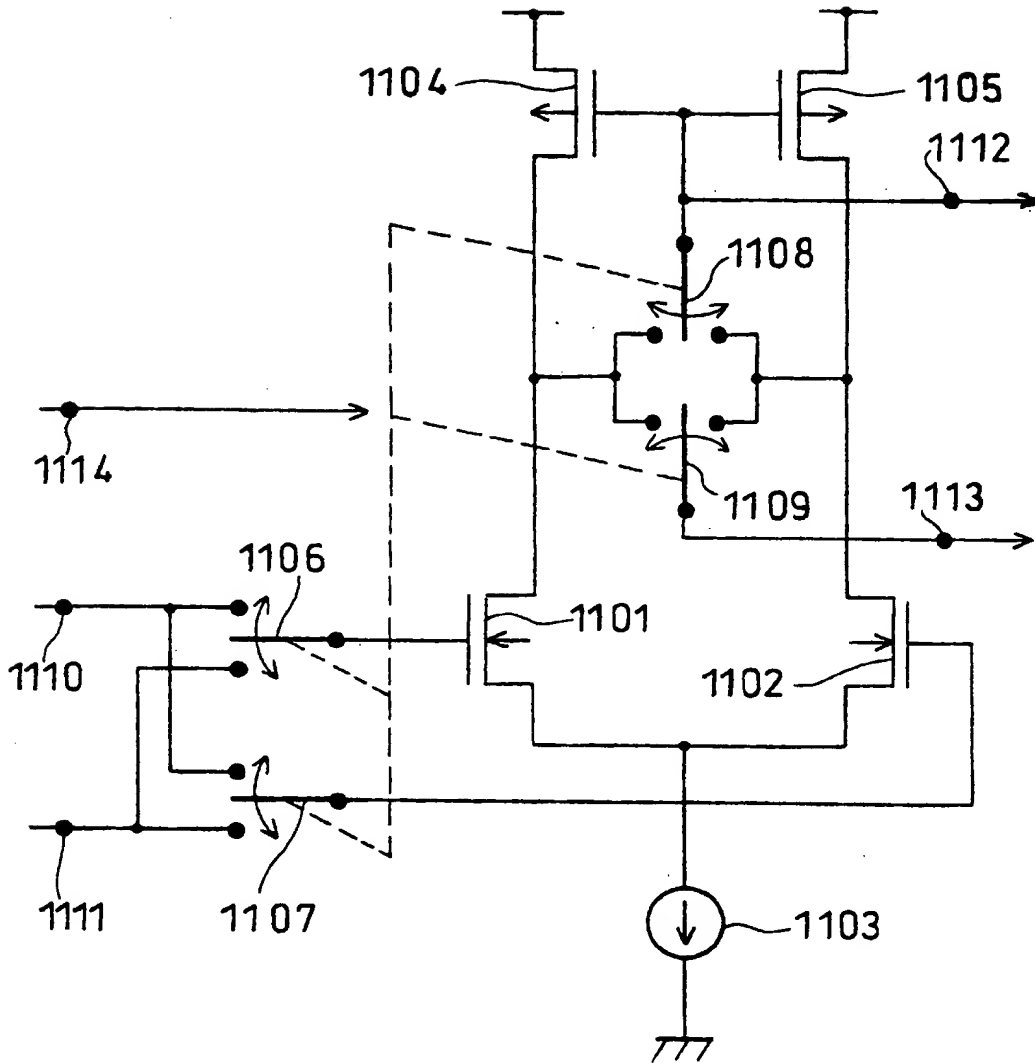


FIG. 33

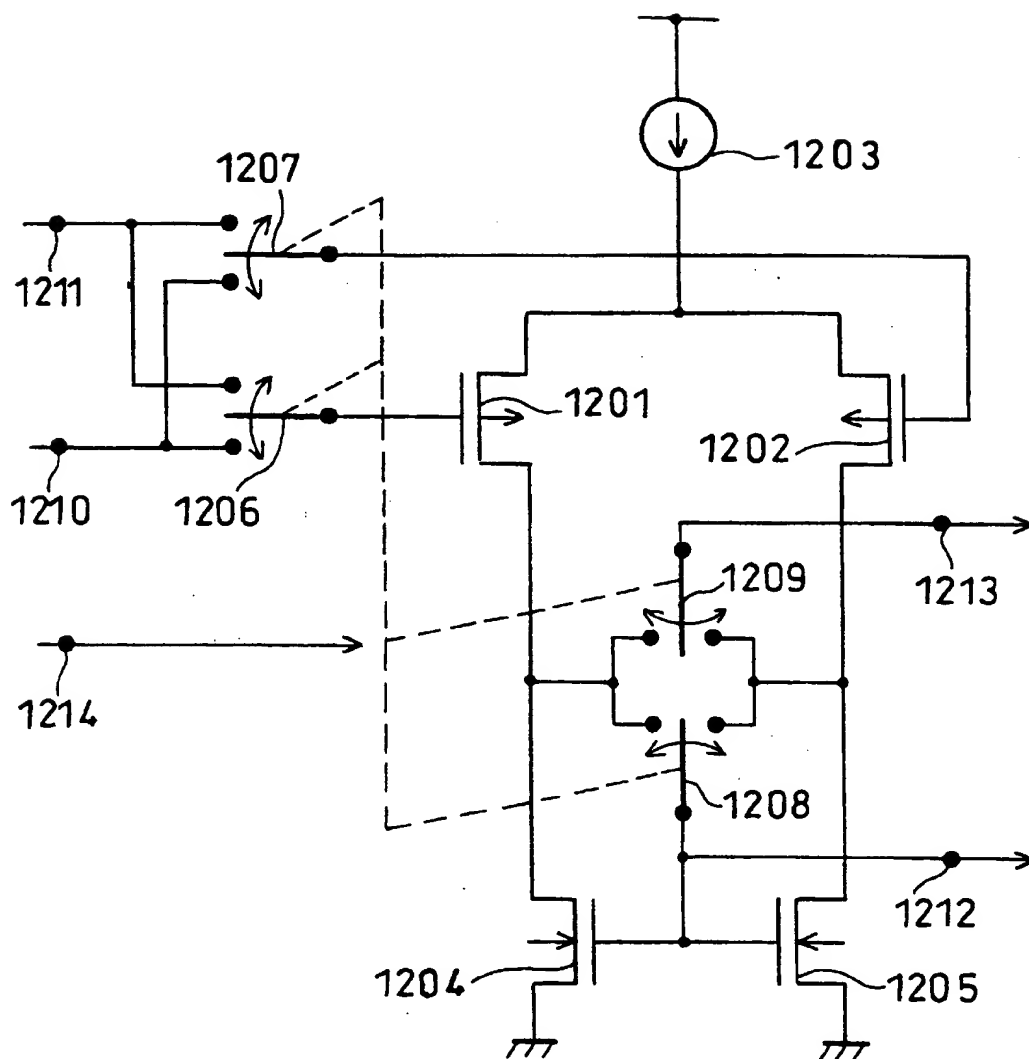


FIG. 34

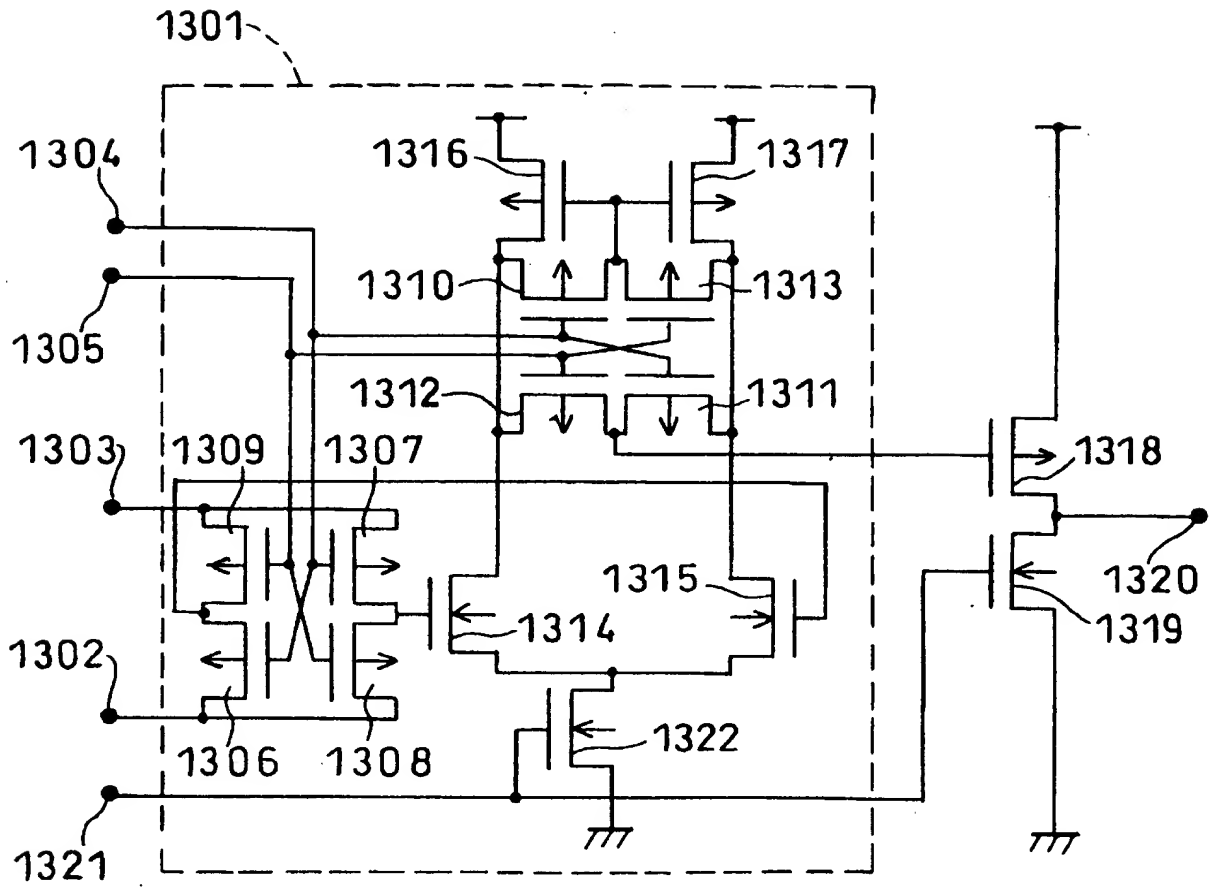


FIG. 35

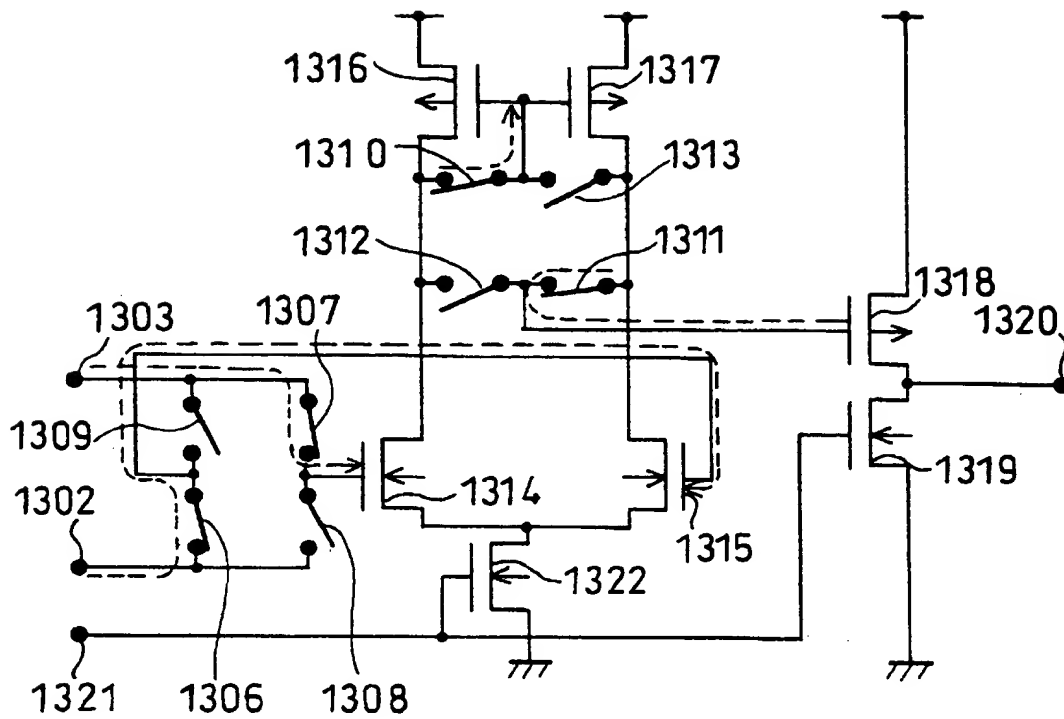


FIG. 36

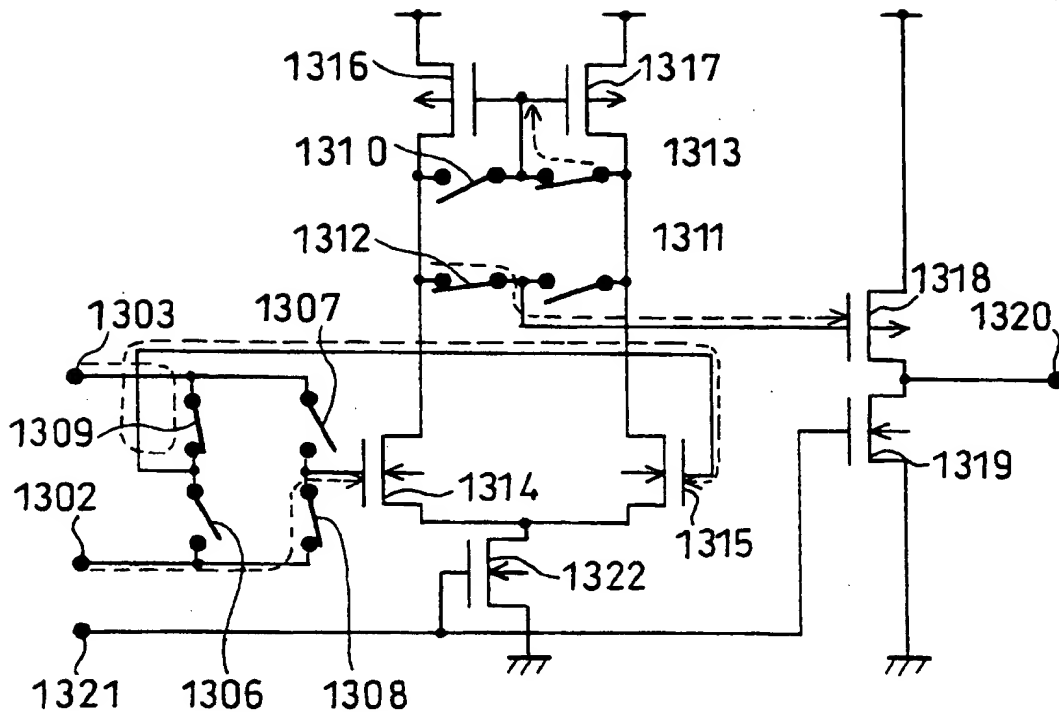


FIG. 36

FIG. 37

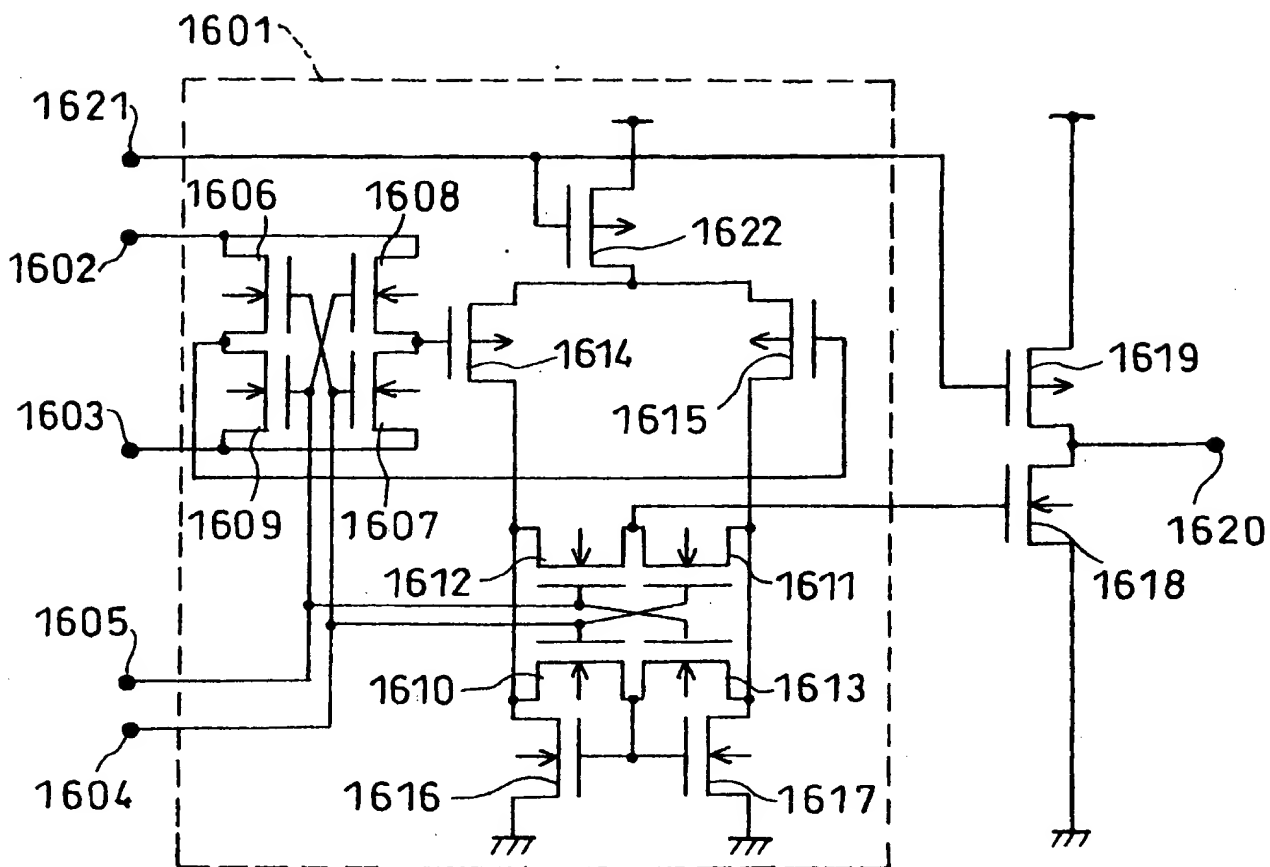


FIG. 38

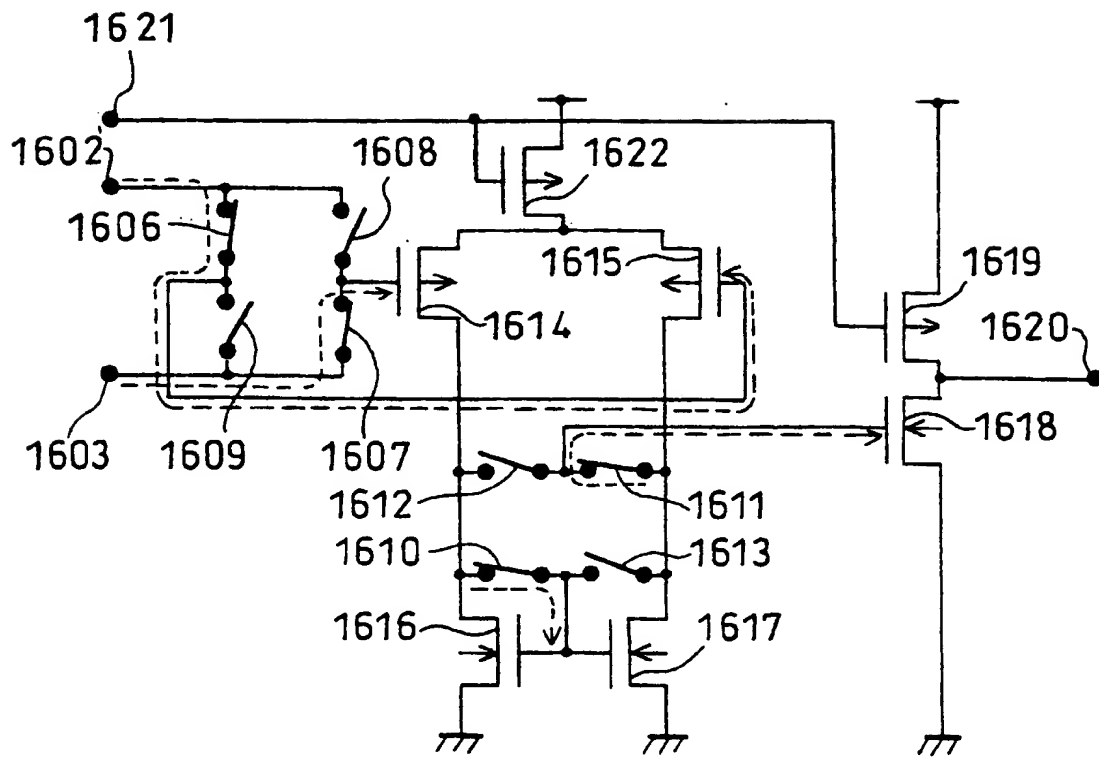


FIG. 39

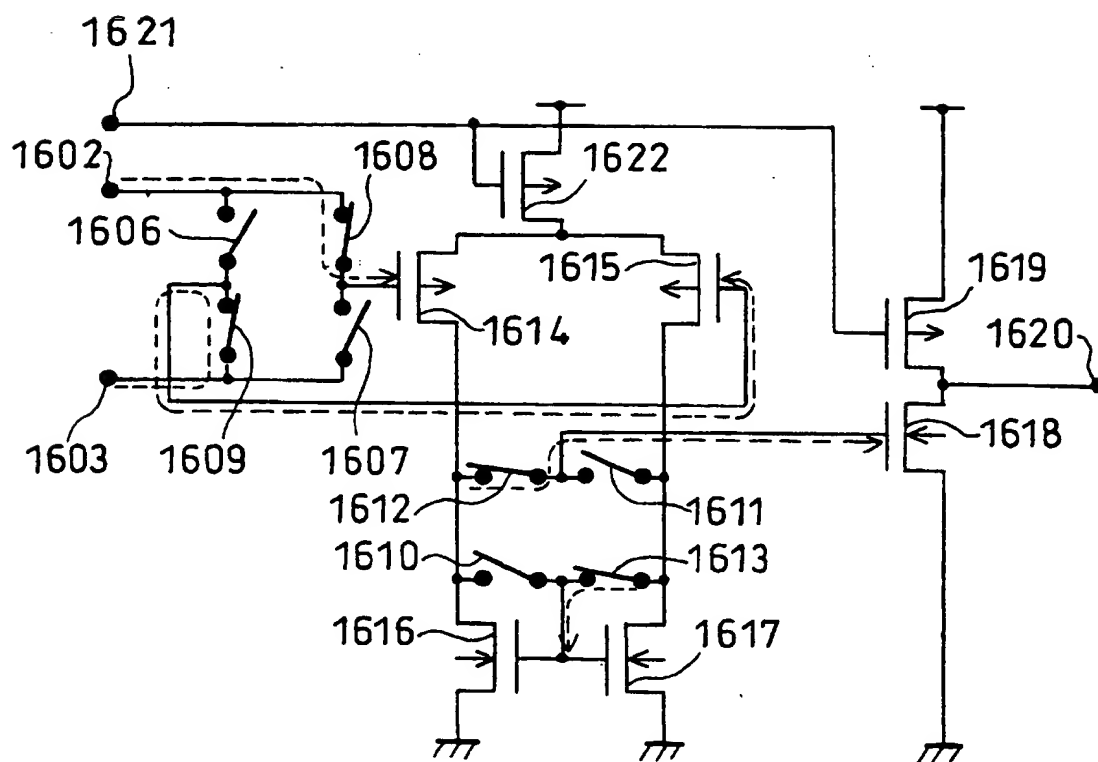


FIG. 40

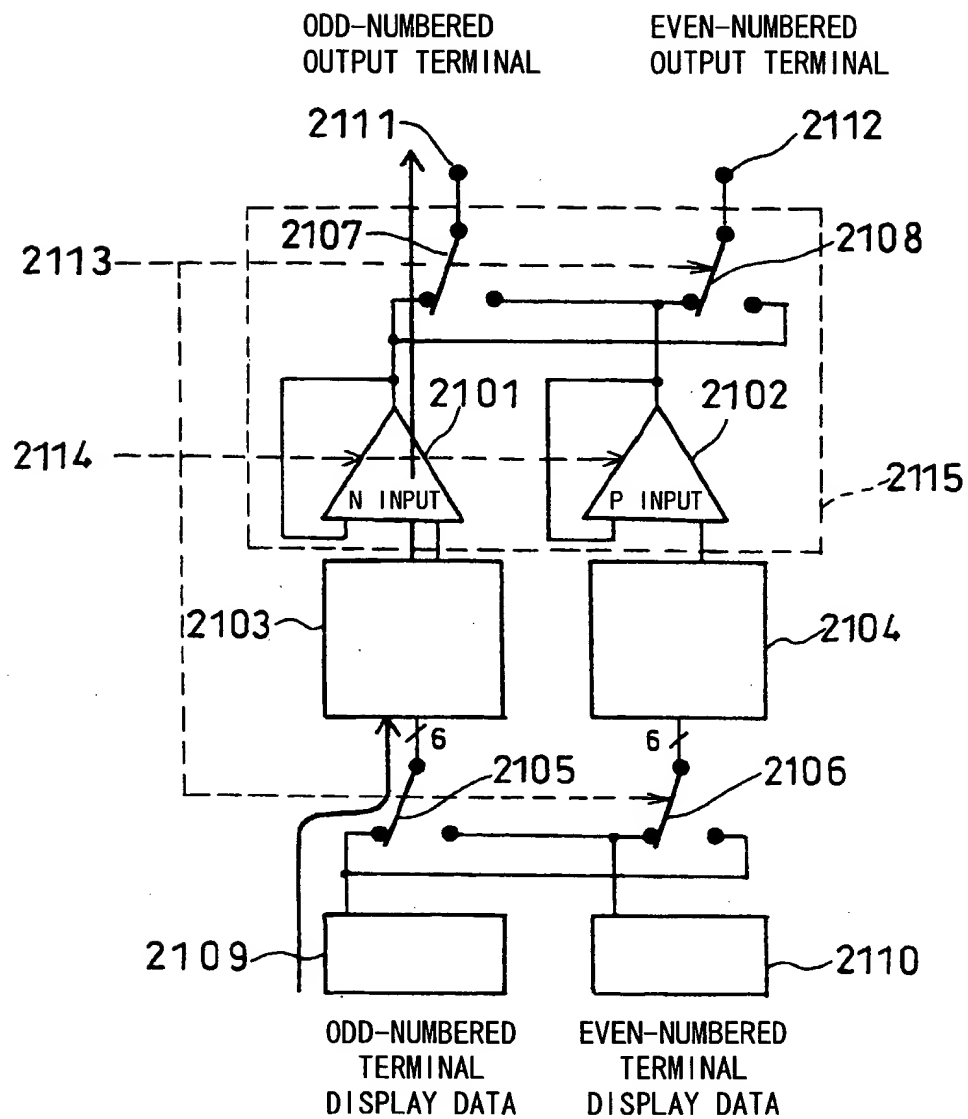


FIG. 41

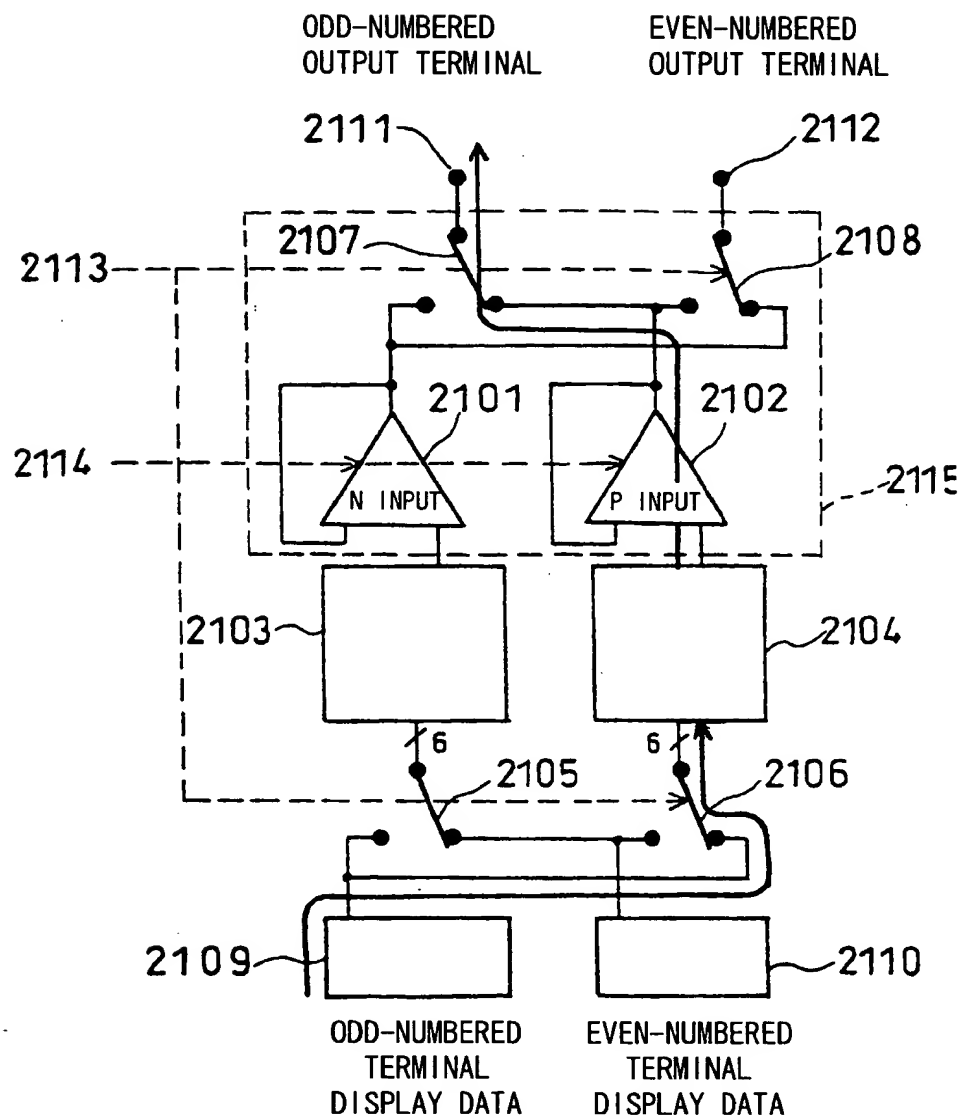


FIG. 42

